

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY

BULLETIN NO. 265

Feeding Stuffs Report

1914

JAMES W. KELLOGG,
Chief Chemist



Published by Direction of The Secretary of Agriculture

HARRISBURG, PA.:
WM. STANLEY RAY, STATE PRINTER
1915

ORGANIZATION
OF THE
BUREAU OF CHEMISTRY

JAMES W. KELLOGG, B. Sc.,Chief Chemist.
GEORGE G. HUTCHISON,General Agent.
VICTOR B. HAUSKNECHT, M. S.,First Assistant Chemist.
HOWARD E. GENSLER, P. D.,Asst. Chemist and Seed Analyst.
J. EDGAR SHULL, B. Sc.,Assistant Chemist.
JOHN F. ST. CLAIR,Special Agent.
W. JOHN STITELER,Special Agent.
W. EARL HUBER,Laboratory Assistant.
M. FRANCIS SAWYER,Clerk and Stenographer.
RUTH I. MENTZER,Clerk.

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY

BULLETIN NO. 265

Feeding Stuffs Report

1914

JAMES W. KELLOGG,
Chief Chemist



Published by Direction of The Secretary of Agriculture

HARRISBURG, PA.:
WM. STANLEY RAY, STATE PRINTER
1915.

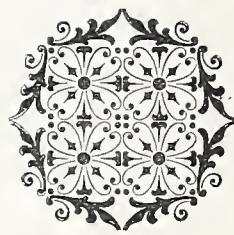
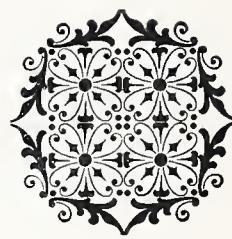


TABLE OF CONTENTS

	Page.
Letter of Transmittal,	5
Introduction,	7
Acknowledgements,	10
Feeding Stuffs definitions,	10
Analyses of special samples from manufacturers and purchasers,	15
Directions for analysis of special samples,	15
Official samples of Feeding Stuffs obtained by Special Agents,	16
Table showing counties visited and number of samples secured in each,	17
Guarantees and deficiencies,	18
Table showing classification of samples analyzed and summary of deficiencies,	19
Average analyses and retail prices with table,	19
Discussion of analytical results,	23
Oil Cake Meals,	23
Distillery and Brewery By-Products,	26
Maize By-Products,	28
Wheat Offals,	30
Rye Offals,	33
Oat By-Products,	33
Buckwheat offals,	33
Alfalfa Meal,	34
Dried Beet Pulp,	34
Mixed Feeds:—Proprietary and Miscellaneous,	34
Proprietary Dairy Feeds,	35
Proprietary Dairy Feeds with Molasses,	36
Proprietary Stock, Horse and Mule Feeds,	38
Proprietary Stock, Horse and Mule Feeds with Molasses,	39
Proprietary Chop Feeds,	39
Proprietary Calf Meals,	40
Proprietary Swine Feeds,	41
Miscellaneous Feeds,	41
Miscellaneous Chop Feeds,	41
Proprietary Poultry Foods,	42
Animal By-Products,	43
Condimental Stock and Poultry Foods,	44
Analyses of Feeding Stuffs collected by Special Agents,	44
Table showing result of chemical and microscopical examinations,	46 to 221



LETTER OF TRANSMITTAL

DEPARTMENT OF AGRICULTURE.

BUREAU OF CHEMISTRY.

Harrisburg, Pa., April 30, 1915.

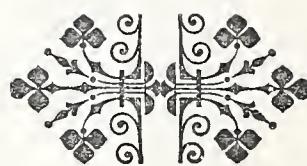
Hon. N. B. Critchfield,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir: I have the honor to submit for your approval a report of the results of chemical analyses and microscopical examinations of the samples of Feeding Stuffs secured during the year 1914. In addition to this information, the data reported by Special Agents together with comments pertaining to the work are also included.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,

JAMES W. KELLOGG,
Chief Chemist.



FEEDING STUFFS REPORT

1914

JAMES W. KELLOGG.*

INTRODUCTION.

In carrying out the provisions of the law regulating the sale of Concentrated Commercial Feeding Stuffs, the amount of work accomplished in 1914 has been practically the same as that performed during the previous year. Special Agents of the Department visited 327 towns and cities in 61 counties of the State and secured for chemical analysis and microscopical examination 1300 official samples. In securing samples of the Feeds found being offered for sale, two were taken from each lot sampled, placed in bottles, carefully labeled with the information found on sacks or attached cards and sealed. One was left with the dealer and the other sent to the Bureau of Chemistry for examination, together with a separate report covering each sample obtained. Each of these samples were analyzed for moisture, crude protein, crude fat and crude fiber and examined microscopically to determine its general character, to look for possible adulterants and to find out whether or not the compositions agreed with that claimed or guaranteed. A report of the results obtained, together with guarantees and comments, where necessary, in addition to being submitted to the Secretary of Agriculture, were mailed, from time to time, to the dealers from whom each sample of Feed was secured and also to the manufacturers responsible for their production. This information will be found in the following pages in the order indicated in the table of contents.

*Assisted by Victor B. Hausknecht, Howard E. Gensler, J. Edgar Shull and W. Earl Huber. The microscopical work herein reported was performed by Mr. Gensler.

A larger number of samples could have been taken but as the Special Agents found in many cases a condition of proper labeling where other samples of like brands had been secured, it was deemed inadvisable to go to the expense necessary in making a large number of duplicate examinations.

In addition to the official samples secured 236 special samples of Feeds were received and analyzed for citizens of the State as provided for by the Feeding Stuffs Law. These samples were usually submitted for the purpose of determining whether or not certain brands would meet the guarantees advertised and to find out how new brands of feeds, which were being prepared for sale, should be labeled and guaranteed. Replies to all inquiries accompanying these special samples were mailed with a report of the results of analysis to the senders as quickly as possible after the work had been completed. The information secured as a result of the analysis of these samples has been of valuable assistance to those taking advantage of this provision of the law in properly complying with the requirements, in receiving rebates on shipments, which did not meet the guarantees claimed, and in protecting themselves against the purchase of adulterated and misbranded feeds.

Judging from the results of examinations of the samples received during the year, the Feeds sold in the State were, as a rule, correctly labeled and guaranteed. The number of deficiencies was less than ever before noted which shows more care in guaranteeing and labeling. In those Feeds where sliding guarantees were found, the higher figures were less often maintained than the lower ones. Purchasers of Feeds guaranteed in this manner, therefore, should not place too much dependence on the higher guarantees. It will be noted that for ready comparison the Proprietary Dairy Feeds with and without molasses and the Proprietary Stock, Horse and Mule Feeds with and without molasses, have been placed in separate groupes in Table No. IV. Those without molasses being placed in one group and the Molasses Feeds being placed in another. These Feeds show up well both as to analysis and composition and were quite free, as a rule, from large amounts of whole weed seeds. There is room for improvement, however, in this respect as quite a number contained traces and small amounts of weed seeds where the Screenings used as an ingredient had not been carefully cleaned and finely ground and bolted. The Poultry Foods which made up a large proportion of the samples examined were not as clean as they should be although they showed a decided improvement over those reported in former Bulletins. The amount and number of brands of this class of Feeds sold in the State is steadily increasing.

The usual number of registrations were received and placed on file covering the various brands sold during the year. In many cases registrations for certain Feeds were submitted where samples were requested for examination before registration was accepted. In a few cases registrations were refused because the brands listed were improperly labeled or guaranteed or contained prohibited materials. The examination of samples previous to accepting registrations has resulted in getting certain Feeds correctly labeled before being offered for sale and also in stopping the shipment of other products which could not be legally disposed of in Pennsylvania. The information included on sacks or attached cards usually agreed with the information registered. It was found necessary to order several prosecutions during the year for violations which included adulterations with peanut hulls and weed seeds, false guarantees and excessive amounts of oat hulls. Samples representing one brand of feed were found to contain a large amount of peanut hulls and information received indicated that possibly this shipment was intended for a State having no feed law and that this kind of a product would not be further manufactured. The finding of these samples, however, shows that if Pennsylvania had no Feed Law, and was not protecting its consumers, there would at least be some Feeds sold which would be worthless and which would cause a loss to purchasers of such products.

At the close of the year an attempt was made to find out the approximate total tonnage of all kinds of Feeding Stuffs sold in the State during 1914. Letters requesting this information were accordingly sent to all manufacturers and importers. Not all replied but the greater portion of them sent us figures which showed that at least 600,000 tons were shipped for sale in Pennsylvania during the period covered by this report. It is felt that this amount is considerably less than was actually sold, however, as no tonnage tax or registration fee is charged, the amount of Feed sold in any one year can only be ascertained by requests to the manufacturers. The reports received clearly demonstrates that Pennsylvania is one of the largest Feed consuming States.

Comments concerning the different kinds and classes of Feeding Stuffs examined, together with tables showing the number of counties visited and samples secured in each, classification of samples, summary of deficiencies, results of analyses and microscopical examinations, guarantees and other information will be found in the following pages.

ACKNOWLEDGEMENTS.

In performing the duties necessary in carrying out the provisions of the Feeding Stuffs Law, the results of which are embodied in this report, no official can hope to complete a year's work in a satisfactory manner without the assistance of his associates and those working for better Feeds. It is a pleasure, therefore, to here acknowledge the assistance and co-operation of each member of the Bureau Staff and to thank the Secretary of Agriculture, Hon. N. B. Critchfield, and our General Agent, Mr. G. G. Hutchison for the advice and many helpful suggestions continually being received. From Manufacturers of and Dealers in Feeds, and the Trade Journals, we have received encouragement and much valuable information, and to them also are extended our appreciation for their co-operation.

DEFINITIONS.

The definitions or names of the various Feeding Stuffs and especially by-products Feeds, which have been adopted by the Association of Feed Control Officials of the United States at their several meetings, have been of valuable assistance in learning to properly label and designate the various Feeds being manufactured and sold. At the 1914 meeting definitions were adopted for the various grades of Linseed Oil Meal. These definitions are continually being referred to for reference and help by those engaged in the sale of Feeding Stuffs and, therefore, it seems advisable to republish the definitions included in our previous reports together with the new ones referred to, as follows:

CHOICE COTTONSEED MEAL must be finely ground, not necessarily bolted, perfectly sound and sweet in odor, yellow, free from excess of lint, and must contain at least 41 per cent. of protein.

PRIME COTTONSEED MEAL must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellow, not brown or reddish, free from excess of lint, and must contain at least 38.6 per cent. protein.

GOOD COTTONSEED MEAL must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color and must contain at least 36 per cent. protein.

COTTONSEED MEAL is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as is necessary in the manufacture of oil; provided that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36 per cent. of protein.

COTTONSEED FEED is a mixture of cottonseed meal and cottonseed hulls, containing less than 36 per cent. protein.

COLD PRESSED COTTONSEED is the product resulting from subjecting the whole undecorticated cottonseed to the cold pressure process for the extraction of oil, and includes the entire cottonseed less the oil extracted.

GROUND COLD PRESSED COTTONSEED is the ground product resulting from subjecting the whole undecorticated cottonseed to the cold pressure process for the extraction of oil, and includes the entire ground cottonseed less the oil extracted.

OIL MEAL is the ground product obtained after the extraction of part of the oil by crushing, cooking and hydraulic pressure or by crushing, heating and the use of solvents from seeds which have been screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes. When used alone the term "Oil Meal" shall be understood to designate the product obtained from screened and cleaned flaxseed. When used to cover any other product the name of the seed from which it is obtained shall be prefixed to the words "Oil Meal."

OLD PROCESS OIL MEAL is the ground product obtained after extraction of part of the oil by crushing, cooking hydraulic pressure from seeds screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes. When used alone the term "Old Process Oil Meal" shall be understood to designate the product obtained from partially extracted, screened and cleaned flaxseed. When used to cover any other product the name of the seed from which it is obtained shall be prefixed to "Old Process Oil Meal."

NEW PROCESS OIL MEAL is the ground product obtained after extraction of part of the old by crushing, heating and the use of solvents from seeds screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes. When

used alone the term "New Process Oil Meal" shall be understood to designate the product obtained from partially extracted, screened and cleaned flaxseed. When used to cover any other product the name of the seed from which it is obtained shall be prefixed to "New Process Oil Meal."

LINSEED MEAL is the ground product obtained after extraction of part of the oil from ground flaxseed screened and cleaned of weed seeds and other foreign materials by the most improved commercial processes.

UNSCREENED FLAXSEED OIL FEED is the ground product obtained after extraction of part of the oil from unscreened flaxseed by crushing, cooking and hydraulic and pressure or crushing, heating and the use of solvents. When sold without grinding, the unground product shall be designated as "Unscreened Flaxseed Oil Feed Cake."

DISTILLERS' DRIED GRAINS are the dried residue from cereals obtained in the manufacture of alcohol and distilled liquors. The product shall bear the designation indicating the cereal predominating.

BREWERS' DRIED GRAINS are the properly dried residue from cereals obtained in the manufacture of beer.

MALT SPROUTS are the sprouts of the barley grain. If the sprouts are derived from any other malted cereal, the source must be designated.

CORN BRAN is the outer coating of the corn kernel.

CORN FEED MEAL is the sifting obtained in the manufacture of cracked corn and table meal from the whole grain.

CORN GLUTEN MEAL is that part of commercial shelled corn that remains after the separation of the larger part of the starch, the germ and the bran by the processes employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubles.

CORN GLUTEN FEED is that portion of commercial shelled corn that remains after the separation of the larger part of the starch and the germ by the process employed in the manufacture of cornstarch and glucose. It may or may not contain corn solubles.

GRITS are the hard, flinty portions of Indian corn without hulls and germ.

HOMINY MEAL, HOMINY FEED, OR HOMINY CHOP is a mixture of the bran coating, the germ and a part of the starchy portion of the corn kernel obtained in the manufacture of hominy grits for human consumption.

CORN GERM MEAL is a product of the manufacture of starch, glucose and other corn products and is the germ layer from which a part of the corn oil has been extracted.

RED DOG is a low grade wheat flour containing the finer particles of bran.

SHORTS or **STANDARD MIDDLINGS** are the fine particles of the outer and inner bran separated from bran and white middlings.

WHEAT WHITE MIDDLINGS or **WHITE MIDDLINGS** are that part of the offal of wheat intermediate between shorts or standard middlings and red dog.

SHIPSTUFF or **WHEAT MIXED FEED** is a mixture of the products other than the flour obtained from the milling of the wheat berry.

WHEAT BRAN is the coarse outer coatings of the wheat berry obtained in the usual commercial milling process from wheat that has been cleaned and scoured.

WHEAT BRAN WITH MILL RUN SCREENINGS is pure wheat bran plus the screenings which were separated from the wheat used in preparing said bran.

WHEAT BRAN WITH SCREENINGS NOT EXCEEDING MILL RUN is either wheat bran with the whole mill run of screenings or wheat bran with a portion of the mill run of screenings, provided that such portion is not an inferior portion thereof.

OAT MIDDLINGS are the floury portion of the oat groat obtained in the milling of rolled oats.

OAT SHORTS are the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats.

OAT GROATS are the kernels of the oat berry with the hulls removed.

OAT HULLS are the outer chaffy coverings of the oat grain.

CLIPPED OAT BY-PRODUCTS (term oat clippings not recognized) is the resultant by-product obtained in the manufacture of clipped oats. It may contain light, chaffy material broken from the ends of the hulls, empty hulls, light, immature oats and dust. It must not contain an excessive amount of oat hulls.

BUCKWHEAT SHORTS OR BUCKWHEAT MIDDLING are that portion of the buckwheat grain immediately inside of the hull after separation from the flour.

ALFALFA MEAL is the entire alfalfa hay ground, and does not contain an admixture of ground alfalfa straw or other foreign materials.

CHOP is a ground or chop feed composed of one or more different cereals or by-products thereof. If it bears a name descriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals.

SCREENINGS are the smaller imperfect grains, weed seeds and other foreign materials having feeding value, separated in cleaning the grain.

MEAL is the clean, sound, ground product of the entire grain, cereal or seed which it purports to represent:

FLAX PLANT BY-PRODUCT is that portion of the flax plant remaining after the separation of the seed, the bast fibre and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds and the corticle tissue of the stem.

RICE BRAN is the cuticle beneath the hull.

RICE HULLS are the outer chaffy coverings of the rice grain.

RICE POLISH is the finely powdered material obtained in polishing the kernel.

BLOOD MEAL is ground dried blood.

MEAT SCRAP AND MEAT MEAL are the ground residues from animal tissue exclusive of hoof and horn. If they contain any considerable amount of bone, they must be designated MEAT and BONE SCRAP, or MEAT and BONE MEAL. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

DIGESTER TANKAGE is the residue from animal tissue exclusive of hoof and horn especially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding. If it contains any considerable amount of bone, it must be designated DIGESTER MEAT AND BONE TANKAGE.

CRACKLINGS are the residue after partially extracting the fats and oils from the animal tissue. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

During the year 236 special samples of Feeding Stuffs were received for analysis from manufacturers, purchasers and dealers located in the State. These samples were all analyzed for protein, fat and fiber and reports made to the senders as quickly as the results could be obtained. Most of the samples received were submitted for the purpose of determining how they should be guaranteed. In a number of cases the samples were examined for possible adulterants and as to whether or not they came within the requirements of the law and could be offered for sale. In all cases where such inquiries were made, directions were sent out with the reports of analysis as to methods of labeling and advising whether or not the sales of such Feed mixtures could be properly made.

Great care is devoted to the analysis of these special samples for it is realized that accuracy is more to be desired than the obtaining of quickly made determinations, because the labeling of future shipments of many such Feeds depend on the results secured. Local manufacturers have shown a splendid willingness to work in harmony with the Department as is evidenced by the many inquiries received with samples sent in for analysis and examination.

In many cases manufacturers sent samples for analysis which were preliminary mixtures made and analyzed for the purpose of getting certain brands of Feed in condition to be offered for sale. The analysis of these preliminary samples does not always represent the mixture when it is finally placed on the market. The results in these cases, therefore, are only of interest to those preparing such Feeds and because of this fact, the publication of the results of analysis of special samples was deemed inadvisable and they are not included in this report.

DIRECTIONS FOR ANALYSIS OF SPECIAL SAMPLES.

Parties desiring special samples of Feed analyzed should carefully note the following directions:

Amount of sample: About one-half pound of the sample of Feed to be analyzed should be carefully secured from a number of sacks, or where the Feed is in bulk, from several different places in the

bin, thoroughly mixed and placed in large mailing envelopes, bottles or cartons or other containers usually used for mailing samples. A small amount of Feed can be analyzed but better results are obtained on a half pound sample.

Charges for Analysis:—A charge is made of one dollar (\$1.00) for each sample analyzed and determinations are made for protein, fat and fiber. The fee should be sent, with a letter accompanying sample and requesting the analysis to be made, in the form of a certified check, money order or cash.

Address:—Both letters and samples should be addressed and sent to the Bureau of Chemistry, Pennsylvania Department of Agriculture, Box "R," Harrisburg, Pa. The name of the sender should be placed on the package containing sample.

OFFICIAL SAMPLES OF FEEDING STUFFS OBTAINED BY SPECIAL AGENTS.

The number of official samples of Feeding Stuffs secured by Special Agents during the year was 1300. Three hundred and twenty-seven towns and cities in 61 counties were visited and the samples secured represent nearly every brand of Feed being sold in the State. All these samples were analyzed for moisture, crude protein, crude fat and crude fiber and examined microscopically for ingredients or for possible adulterants and to determine the character of each. A report of the results obtained on each sample was made to the Secretary of Agriculture and also sent to the manufacturers or importers and to the dealers from whom each sample was secured.

The results of chemical analysis and microscopical examinations together with the chemist's and Agent's numbers, name and address of manufacturers or importers and the name and address of the dealers will be found in Table IV.

In the following table (No. I) will be found the name of the counties visited and the number of official samples secured in each.

TABLE I.—COUNTIES VISITED AND NUMBER OF SAMPLES SECURED IN EACH.

Name of County.	Number of Samples.
Adams,	31
Allegheny,	44
Armstrong,	17
Beaver,	19
Bedford,	10
Berks,	46
Blair,	34
Bradford,	23
Bucks,	23
Butler,	20
Cambria,	25
Cameron,	8
Carbon,	4
Centre,	19
Chester,	47
Clarion,	7
Clearfield,	15
Clinton,	13
Crawford,	21
Cumberland,	27
Dauphin,	22
Delaware,	12
Elk,	16
Erie,	24
Fayette,	10
Franklin,	15
Greene,	3
Huntingdon,	8
Indiana,	24
Jefferson,	22
Juniata,	8
Lackawanna,	18
Lancaster,	67
Lawrence,	24
Lebanon,	34
Lehigh,	19
Luzerne,	47
Lycoming,	26
McKean,	40
Mercer,	13
Mifflin,	14
Monroe,	8
Montgomery,	46
Northampton,	18
Northumberland,	34
Perry,	2
Philadelphia,	2
Potter,	11
Snyder,	2
Somerset,	10
Susquehanna,	11
Tioga,	29
Union,	16
Venango,	16
Warren,	19
Washington,	53
Wayne,	11
Westmoreland,	51
Wyoming,	8
York,	39
Total,	1,300

GUARANTEES AND DEFICIENCIES.

In order that the various classes and kinds of Feeds which were analyzed and the number guaranteed for protein, fat and fiber and the number of samples found deficient in protein and fat may be shown in a concrete form, the following table (No. II) has been prepared, as has been the custom in previous reports. In estimating the number of samples which are reported as being deficient only those cases were included where the protein was found to be 1.00 per cent. or more below the guarantee and the fat one-half of 1.00 per cent. or more below the guarantee. Of the 1,300 samples received 1,220 were found labeled, on sacks or attached cards, with the guaranteed analyses, which was a larger proportion found guaranteed than during the previous year. Of the number guaranteed 8 or .65 per cent. were found to be deficient in both protein and fat, 47 or 3.85 per cent. were deficient in protein alone, and 39 or 3.19 per cent. deficient in fat alone. The total number found deficient in protein was 55 or 4.50 per cent. and the total deficient in fat was 47 or 3.85 per cent. These deficiencies are less numerous than was observed during 1913 and indicates a continued decrease of violations of the law in this respect.

It will be noted that 80 samples were not guaranteed and with a very few exceptions these Feeds were those which are not required to be labeled with guaranteed analysis, such as Pure Wheat, Rye and Buckwheat Brans and Middlings and Chop Feeds and Poultry Foods, which are composed of whole or ground grains. In those samples which were found to be guaranteed a large proportion were found, upon analysis, to considerably exceed the claims made and this fact should not be overlooked in judging of the character of the Feeds guaranteed and offered for sale in the State. In a number of samples so called "sliding guarantees" were given and, as will be noted by referring to the large table, the higher guarantees failed to be met in a large number of cases.

TABLE II.—CLASSIFICATION OF SAMPLES ANALYZED AND SUMMARY OF DEFICIENCIES.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Cottonseed meal,	83	81	7	1	1
Linseed meal, N. P.,	8	8	1	1	1
Linseed Meal, O. P.,	43	43	1	1	1
Distillers' dried grains (largely from corn),	21	20	2	1	1
Distillers' dried grains (largely from rye),	5	5	1	1	1
Dried grains (from other cereals),	4	4	1	1	1
Brewers' dried grains,	45	45	1	1	1
Malt sprouts,	10	10	1	1	1
Corn gluten feed,	52	52	1	1	1
Corn gluten meal,	3	3	1	1	2
Hominy feed,	32	31	1	1	1
Corn bran,	16	10	1	1	1
Corn feed meal,	3	2	1	1	1
Low grade flour,	7	6	1	1	1
Wheat middlings,	32	23	1	1	1
Wheat middlings with admixtures,	36	35	1	1	1
Mixed feed: wheat by-products,	6	6	1	1	1
Wheat bran,	46	34	1	1	1
Wheat bran with admixtures,	33	33	1	1	1
Rye middlings,	3	3	1	1	1
Mixed feed: rye by-products,	2	1	1	1	1
Oat by-product,	1	1	1	1	1
Buckwheat middlings,	4	1	1	1	1
Buckwheat feed,	2	1	1	1	1
Alfalfa meal,	8	7	1	1	1
Dried beet pulp,	16	15	1	1	1
Proprietary dairy feeds,	57	57	2	2	9
Proprietary dairy feeds with molasses,	140	140	3	9	2
Proprietary stock, horse and mule feeds,	95	93	7	1	1
Proprietary stock, horse and mule feeds with molasses,	81	81	1	1	2
Proprietary chop feeds,	66	65	2	4	2
Proprietary calf meals,	18	18	1	1	2
Proprietary swine feeds,	12	12	1	1	1
Miscellaneous feeds,	2	1	1	1	1
Miscellaneous chop feeds,	29	20	1	6	7
Proprietary poultry foods,	257	230	1	6	1
Animal by-products,	19	18	1	6	1
Condimental stock and poultry foods,	9	6	1	1	1
Total,	1,300	1,220	8	47	39

AVERAGE ANALYSIS AND RETAIL PRICE.

The following table (No. III), has been prepared for ready reference in noting the average partial composition and retail price of the various kinds of Feeds sampled and analyzed. The results shown herewith are those obtained by estimating the average results where 2 or more samples of the same kind, class or brand of Feeding Stuffs were analyzed. These Feeds are tabulated in the order of their contents of protein, those containing the highest protein content being placed first in the list. They are also arranged in 6 classes according to their protein content as published in the Feeding Stuffs report for 1913.

In a great many cases only 2 of the same class or brand of Feed were obtained where the average is included in this table. It was thought inadvisable to include the results of analysis where only one sample of a particular brand of Feed was secured as this did not fairly represent these Feeds which are being sold in the State. It is also recognized that where only a few samples were analyzed, the particular brand or class of Feed shown would more correctly represent these Feeds if a larger number of samples had been secured. The information contained in table (No. III), however, will to a large extent, indicate the average composition and retail price of the majority of the various kinds and brands of Feeding Stuffs which were being sold during the period covered by this report.

TABLE III.—AVERAGE ANALYSIS AND RETAIL PRICE.

Name of Feeding Stuffs.	Moisture.	Protein.	Fat.	Fiber.	Price per ton.
Class 1 (30 per cent.—47 per cent. protein.)					
Diamond corn gluten meal,	7.37	46.48	1.66	1.96	\$37.00
Good Luck Brand cottonseed meal,	6.91	43.97	7.33	8.49	35.00
Imperial Cotto Brand Choice cottonseed meal,	8.29	43.48	8.42	7.79	36.40
Canary Brand High Grade cottonseed meal,	8.32	41.88	8.34	9.63	32.50
Bartlett's Michigan Farmer Brand cottonseed meal,	8.48	41.81	8.04	10.12	35.75
Owl Brand High Grade cottonseed meal,	7.72	41.56	8.31	9.52	35.80
Cottonseed meal (total average),	7.85	40.88	7.97	10.11	35.17
Dixie Brand cottonseed meal,	8.19	40.11	7.83	10.51	34.82
Buckeye Prime cottonseed meal,	7.82	39.92	7.30	11.49	36.33
Dirigo Brand cottonseed meal,	7.03	39.91	8.78	10.54	32.50
Prime cottonseed meal, (M. F. B.),	7.51	39.64	7.83	11.21	31.00
Bonita Brand cottonseed meal,	7.61	39.38	8.03	10.81	33.50
Cottonseed meal (The Quaker Oats Co.),	7.74	38.06	6.94	12.89	35.60
Forfat Brand cottonseed meal,	8.12	37.32	6.52	12.31	31.00
Ground Oil Cake Meal (Archer-Daniels Linseed Co.),	9.24	36.81	7.26	7.85	35.60
Hypro Pure linseed meal,	8.21	36.72	3.05	9.51	37.00
Linseed meal, N. P., (total average),	8.67	36.44	3.37	9.21	35.88
Cleveland Flaxmeal,	9.16	36.29	3.58	9.14	36.20
Pure linseed meal,	9.59	35.79	7.08	8.04	37.88
Linseed meal (American Linseed Co.),	9.22	35.51	6.35	8.29	36.67
Linseed meal, O. P. (total average),	9.39	34.46	6.89	8.57	37.37
Linseed meal (The Metzgar Seed & Oil Co.),	9.20	34.36	6.61	8.97	40.00
Oil Meal as Stock Food (Thompson & Co.),	9.49	34.00	6.62	8.86	40.60
Eagle A brewers' dried grains,	6.84	33.13	6.48	12.44	27.00
Amco Linseed meal,	9.31	32.83	7.17	8.87	36.30
Major Brand linseed meal,	9.42	32.54	6.65	9.35	36.40
Douglas corn gluten feed,	9.77	32.53	3.67	6.73	32.00
Ajax Flakes distillers' dried grains,	6.12	32.49	12.20	10.89	35.88
Hector distillers' dried grains,	7.18	32.46	12.21	12.12	34.00
Schlitz Purity brewers' dried grains,	7.51	31.58	6.41	13.33	28.33
Distillers' dried grains (largely from corn, T. A.),	7.00	31.35	12.37	11.35	35.00
Eagle Three D distillers' dried grains,	7.63	31.13	14.05	11.27	35.00
Malt Sprouts (Penn Grains & Feed Co.),	8.72	31.10	1.90	12.54	26.50
Goldness Kalb brewers' dried grains,	7.50	30.77	6.60	12.99	28.33
Crown brewers' dried grains,	7.25	30.33	6.91	13.38	28.00
Class 2 (20 per cent.—30 per cent. protein.)					
Peerless Pure brewers' dried grains,	7.60	29.63	7.02	12.64	27.50
Bull Brand brewers' dried grains,	6.90	29.47	7.23	12.55	28.00
Ox-O Concentrated Dairy Feed,	7.22	29.00	4.70	9.76	34.00
Brewers' dried grains (total average),	7.65	28.82	7.01	13.52	28.06
Malt Sprouts (total average),	6.83	28.03	1.76	13.08	26.90
Buffalo corn gluten feed,	8.73	27.85	2.78	6.75	32.14
Malt Sprouts (American Malting Co.),	4.87	27.82	1.59	13.32	26.00
Brewers' dried grains (Stegmaier Brewing Co.),	10.17	27.80	7.46	12.98	26.20
Brewers' dried grains (Western Grains & Feed Co.,)	7.44	27.67	6.80	13.63	29.00
Peerless brewers' dried grains,	7.34	27.60	6.53	14.78	28.00
Corn Three D. distillers' dried grains,	9.23	27.53	11.10	10.84	34.67
International Grofast Calf Meal,	9.06	27.35	7.19	8.10	67.60
Holstein brewers' dried grains,	8.01	27.16	6.96	13.89	27.00
Corn gluten feed (total average),	8.84	27.00	3.27	6.79	31.87

TABLE III.—Continued.

Name of Feeding Stuffs.	Moisture.	Protein.	Rat.	Fiber.	Price per ton.
Clinton corn gluten feed,	8.76	26.87	3.60	7.45	31 86
M. F. B. brewers' dried grains,	8.33	26.85	7.27	14.30	27 50
Unicorn Dairy Ration,	7.33	26.81	6.71	10.84	35 78
Malto Dairy Feed,	10.33	26.58	3.86	11.76	34 60
Ox-O Dairy Feed No. 1,	7.43	26.54	5.00	10.22	32 00
Steam Dried brewers' grains,	8.08	26.48	7.12	15.86	29 33
Buckwheat middlings,	10.42	26.39	6.69	13.58	28 25
Ox-O Pure Dry Mash,	7.46	26.25	6.51	7.63	40 00
Dewey's Ready Ration,	7.39	26.13	6.96	10.44	34 60
Cream of Corn gluten feed,	8.59	25.99	2.71	6.40	32 40
K. K. K. corn gluten feed,	9.88	25.91	3.71	6.38	33 00
Blue Ribhon Dairy Feed,	9.48	25.95	4.70	11.40	33 33
Clover Leaf Calf Meal,	10.08	25.72	5.61	6.08	76 00
Sugarota Calf Meal,	10.37	25.66	5.63	4.44	67 60
Staley's corn gluten feed,	8.83	25.42	4.07	6.77	31 60
Ryde's Cream Calf Meal,	10.55	25.13	5.38	5.57	74 00
Blatchford's Calf Meal,	10.66	25.04	5.75	6.34	64 00
Union Grains: Biles Ready Ration,	8.02	24.71	6.48	9.55	31 50
P. Bro. corn gluten feed,	8.61	23.91	3.31	7.37	29 50
Diamond Hog Meal,	7.46	23.73	8.87	11.33	31 67
Ox-O Swine Feed,	7.72	23.15	4.65	8.63	32 00
Dried grains (from other cereals, total average),	7.25	22.80	8.42	13.70	28 50
Ox-O Dairy Feed No. 2,	7.22	22.54	4.85	10.78	27 00
Cremo Brand Cottonseed Feed Meal,	9.12	22.10	4.88	22.40	31 67
Royal Feed,	7.97	21.35	4.66	22.66	27 00
Best Mixed Feed for Cows,	9.67	20.88	5.93	7.36	36 60
Larro Feed,	8.92	20.47	3.97	11.90	33 92
Blatchford's Egg Mash,	9.06	20.44	4.55	9.55	50 00
Purina Chicken Chowder Feed,	9.10	20.25	5.20	7.88	47 29
Purina Dairy Feed,	13.67	20.03	3.72	15.90	31 86
Class 3 (15 per cent.—20 per cent. protein.)					
Schumacher Calf Meal,	9.05	19.75	8.91	2.99	65 00
Best Poultry Mash,	9.93	19.47	5.26	11.69	33 00
Keever corn gluten feed,	9.08	19.38	4.45	6.22	31 00
Lay or Bust Dry Mash,	10.04	19.31	3.82	6.69	48 86
Quaker Poultry Mash,	9.72	19.19	6.69	7.83	46 00
Ox-O Horse and Mule Feed,	8.32	18.96	4.68	9.61	30 67
Boveta Cottonseed Feed,	8.30	18.79	5.39	27.20	26 00
Palm Oil Middlings,	4.14	18.28	8.09	6.73	25 00
Wheat Coarse Middlings (The Commercial Mfg. Co.),	9.96	18.23	5.93	7.07	30 00
Low Grade Flour Middlings,	11.24	18.01	4.69	2.90	35 80
Winona Wheat Middlings,	9.87	18.01	5.97	7.82	29 50
Middlings with Ground Screenings (B. A. Eckhart),	9.39	17.72	4.78	7.33	30 50
Buckeye Feed,	9.99	17.37	5.02	7.70	28 60
Sucrene Dairy Feed,	10.51	17.34	5.61	12.31	26.74
Wheat Middlings (average),	10.66	17.29	5.25	5.71	31 97
Distillers' Dried grains (largely from rye, total average),	6.33	17.29	7.76	13.74	23 70
Sugarine Dairy Feed,	10.53	17.24	5.88	12.94	26 57
Clover Leaf Dairy Feed,	13.58	17.12	4.48	12.74	25 57
Hammond Dairy Feed,	11.78	17.11	4.94	11.66	26 43
Quaker Dairy Feed with molasses,	10.09	16.83	4.90	12.29	26 67
Mixed Feed: Wheat By-products (average),	10.57	16.79	5.01	7.67	30 17
Daisy Dairy Feed,	12.34	16.75	5.49	12.16	27 75
Rye Middlings (average),	11.29	16.73	3.30	4.44	29 60
Quaker Molasses Dairy Feed,	12.95	16.36	5.50	11.70	27 00
Badger Dairy Feed,	13.25	16.32	4.39	12.15	26 25
Wheat Bran with Ground Screenings (average),	10.15	16.32	5.03	9.66	29 03
Sugarota Dairy Feed,	14.67	16.13	4.57	10.62	27 20
Crown Brand distillers' dried grains,	6.59	15.98	7.73	14.03	23 50
Red Comh Meat Mash (Edwards & Loomis Co.),	9.93	15.96	4.16	7.49	46 00
Wheat Bran (average),	10.45	15.78	4.89	9.14	28 95
Protena Dairy Feed,	13.00	15.72	4.75	12.36	26 67
International Climax Feed,	10.58	15.67	5.88	12.09	26 00
Dayton's Laying Mash,	8.69	15.47	4.20	7.76	42 00
International Special Dairy Feed,	12.58	15.46	5.05	12.18	26 75
Growing Feed (Park & Pollard Co.),	11.16	15.41	3.78	4.47	50 00
Class 4 (10 per cent.—15 per cent. protein.)					
Mixed Feed: Rye By-Products,	10.67	14.82	3.21	5.05	29 00
Purity Poultry Mash,	10.34	14.71	5.20	7.98	44 00
Alfalfa Meal (Albert Dickinson Co.),	8.60	14.71	1.83	31.04	40 40
Spratt's Chicgrain,	10.77	14.66	3.06	3.67	69 00
Challenge Dairy Feed,	9.32	14.61	3.45	13.10	27 33
Alfalfa meal (average),	8.01	14.57	1.91	29.90	35 00
Tip Top Sugar Feed,	9.44	14.38	4.86	13.10	24 00
Purina Pigeon Feed,	11.68	13.63	3.03	2.87	47 50
Eaton's Climax Grain Mixture,	11.99	13.29	3.13	2.49	43 00
Oat Chops (average),	8.68	12.97	5.58	8.44	42 60
Buckwheat Feed,	9.38	12.79	3.74	31.47	24 60
Hen-O-La Dry Mash (Hen-E-Ta Bone Co.),	7.96	12.56	3.37	5.33	48 60

TABLE III.—Continued.

Name of Feeding Stuffs.	Moisture.	Protein.	Fat.	Fiber.	Price per ton.
Chicago Alfalfa Horse and Mule Feed,	16.42	12.47	2.51	13.62	34 00
C. O. & B. Feed (Quaker Oats Co.),	9.01	12.44	4.56	9.83	33 00
Peerless Egg Producer,	12.40	12.35	3.31	2.73	43 60
Eaton's Little Chick Food,	11.95	12.19	3.51	1.59	51 00
Badger Stock Feed,	9.07	12.16	5.60	6.92	31 00
Best Mixed Feed for Horses,	11.23	12.16	5.67	5.19	39 00
Sterling Stock Feed,	10.33	12.10	4.02	7.18	31 60
Badger Hominy Feed,	9.63	12.06	7.26	5.57	31 80
Purina Scratch Feed,	11.88	11.94	3.40	2.63	41 22
Buffalo Stock Feed,	11.60	11.88	4.63	6.99	32 00
Evans Hominy Feed,	9.66	11.82	9.03	4.67	31 50
Sucrene Scratch Feed,	11.52	11.77	3.31	3.11	41 20
Choice Steam Cooked hominy feed, (Miner-Hillard Mfg. Co.),	10.07	11.77	6.62	4.17	32 00
Globe Scratch Feed,	11.75	11.75	3.13	3.03	41 40
Mixed Chop (Dayton Mfg. Co.),	10.68	11.65	4.85	4.97	33 00
Schumacher Stock Feed,	9.32	11.65	4.60	9.50	30 93
Mixed Chop (M. M. Landenslager),	10.71	11.53	4.14	5.32	33 00
Red Ribbon Chick Feed,	11.41	11.54	3.02	2.27	43 50
Acme hominy feed,	9.11	11.50	7.65	5.56	32 00
No. 1 Scratch Feed,	14.04	11.46	3.00	3.21	43 40
Blended Hen Food (Blank & Gotschall),	12.02	11.33	3.22	3.38	41 00
Purina Chicken Feed,	12.17	11.33	3.15	2.34	44 50
Harvest Horse Feed,	15.21	11.32	2.43	11.04	34 00
Green Meadow Dairy Feed,	16.57	11.31	0.92	16.12	31 33
Hominy Feed (total average),	9.78	11.29	7.46	4.76	31 94
Homeo hominy feed,	9.43	11.29	8.08	4.62	30 80
Screeued Scratch Feed,	12.18	11.28	3.24	2.55	43 60
Quaker Chick Feed,	12.08	11.19	3.53	2.30	46 60
Corn, Oats and Barley Chops (average),	12.54	11.16	4.21	5.66	31 00
Dayton's Ideal Scratch Graius,	12.52	11.04	3.37	3.18	38 50
Quaker Scratching Grains,	12.46	11.03	3.32	2.61	40 60
Sucrene Horse and Mule Feed with Alfalfa,	13.53	11.00	2.44	13.43	34 00
Badger Horse Feed,	17.72	10.78	2.44	9.28	32 50
Hen Feed (Fred Pontz),	12.35	10.76	3.65	2.91	47 60
Pioneer Scratch Feed,	12.07	10.72	3.26	2.67	36 00
Yellow hominy feed (Quaker Oats Co.),	10.57	10.72	7.29	3.79	36 00
Perfection Horse Feed,	15.70	10.71	2.21	10.88	32 50
Scratch Feed (J. W. Eshelman),	12.25	10.69	2.85	2.79	42 60
Special Scratch Feed,	13.23	10.63	3.10	2.94	41 00
Corn Bran (Badger Cream Flakes),	9.33	10.58	7.42	7.36	32 00
Corn and Oats Chop (average),	11.32	10.49	4.39	4.67	34 05
Purina Feed and Molasses,	15.67	10.48	2.47	9.67	35 33
Harteno Horse Feed,	14.40	10.46	4.19	5.86	39 00
White Cross Scratch Feed,	11.04	10.44	3.22	3.00	38 00
Jem Stock Feed,	8.67	10.44	5.29	9.85	33 60
Green Cross Horse Feed,	15.35	10.38	2.89	9.87	33 50
Peter's Arab Horse Feed,	14.96	10.36	2.57	10.15	35 75
Corn Bran (total average),	9.58	10.33	7.22	9.11	31 10
Corn Bran (Heffner Mfg. Co.),	9.45	10.22	7.90	12.90	29 50
Purina Molasses Feed,	15.96	10.15	2.62	8.76	34 50
Portage Stock Feed,	8.23	10.07	5.78	11.61	31 00
Mixed Chicken Feed (Miner-Hillard Mfg. Co.),	12.33	10.04	3.19	2.61	39 60
Class 5 (3 per cent.—10 per cent. protein.)					
Peter's King Corn Alfalfa Feed,	15.62	9.94	1.87	12.96	34 25
Mixed Chop (Miner-Hillard Mfg. Co.),	11.59	9.85	3.72	5.15	37 60
White Diamond Feed,	10.51	9.69	4.76	7.92	34 00
Maizeline feed (corn bran),	8.91	9.57	8.33	9.36	31 50
Victor Feed,	9.36	9.55	4.15	8.60	30 60
Republie Sugar Feed,	11.04	9.53	2.26	26.59	24 50
Corn feed meal (total average),	12.79	9.44	4.59	2.15	34 67
Yellow corn feed meal,	12.27	9.44	4.63	2.08	35 00
C. O. & B. Feed (Imperial Mfg. Co.),	8.19	9.41	3.71	9.33	30 60
Yellow hominy feed,	12.76	9.35	4.70	3.59	31 00
Portage C. & O. Feed,	10.10	9.31	4.09	7.69	30 33
Sucrene Horse and Mule Feed,	16.11	9.29	3.57	7.49	32 60
Emporium Feed,	10.08	9.29	4.81	7.71	34 00
Camp's Little Wonder Chop Feed,	10.46	9.26	3.72	6.85	31 40
Camp's M. D. Chop Feed,	10.40	9.21	3.79	6.91	32 80
Corn chop (average),	12.10	9.16	4.49	3.01	32 80
Pioneer Stock Feed,	9.49	9.13	4.12	8.69	31 13
Dried beet pulp (Larrowe Mfg. Co.),	9.26	9.03	1.02	18.37	28 67
Dried beet pulp (total average),	9.04	9.04	1.04	18.56	28 53
Dried beet pulp (Hottele & Co.),	8.16	8.98	1.11	19.31	28 00
Premium Chop,	9.25	8.89	3.68	8.44	30 40
Corn and Oats Chop (Pioneer Cereal Co.),	8.69	8.86	4.50	8.58	29 60
Camp's C. O. & B. Chop Feed,	10.75	8.67	3.70	5.82	30 60
Xtra-Vim Feed,	21.97	4.91	0.62	5.41	34 43
Animal By-Products.					
Dold Quality Meat Scraps,	8.28	52.43	10.65	1.61	65 00
Blue Ribbon Meat Scraps,	8.02	39.38	13.83	1.80	61 60

DISCUSSION OF THE ANALYTICAL RESULTS.

The 1,300 samples of Feeding Stuffs which were analyzed during the year have been classified in several groups as shown in table II and in this order the following pages will include a few remarks concerning the results obtained upon the chemical and microscopical examinations. Under each group, or heading, will be found the name and class of the Feeds included with the page numbers of the large table upon which the results of analysis obtained on each sample will be found. The average results shown were estimated where two or more of the same brands or kinds of Feeds were examined. The deficiencies referred to in the remarks are the same as those shown in table No. II and were noted in only those cases where the protein was found to be 1.00 per cent. or more below the guarantees and where the fat was found to be one-half of 1.00 per cent. or more below the guarantees. Inasmuch as the word "crude" is prefixed to the words Protein, Fat and Fiber, in referring to these constituents and is used synonymously, this word, therefore, will not be used in the following remarks. The constituents will be referred to as "protein," "fat" and "fiber."

OIL CAKE MEALS.

COTTONSEED MEAL.

Analyses on Pages 46 to 53.

Eighty-three samples of Cottonseed Meal were received and analyzed during the year, all except 2 being from shipments guaranteed. Of the number guaranteed 7 were found to be deficient in protein and 1 in fat. The analyses of the 83 samples gave the following results: Lowest protein 36.25 per cent., highest 46.44 per cent., average 40.88 per cent. Lowest fat 6.18 per cent., highest 11.67 per cent., average 7.97 per cent. Lowest fiber 6.76 per cent., highest 14.55 per cent., average 10.11 per cent.

Twenty brands of Cottonseed Meal were represented by the samples examined there being from 1 to 27 samples of each of these brands. Of the total number received, 29 were found to be guaranteed with "sliding guarantees" of from 38.62 per cent. to 41.00 and 48.00 per cent. of protein. Of the samples guaranteed in this manner 27 failed

to meet the higher guarantees there being, therefore, only 2 which reached the high guarantee for protein. From this information, therefore, it is evident that Cottonseed Meal labeled with a sliding guarantee will not, as a rule, meet the higher claims for protein. Purchaser of Cottonseed Meal should note this condition and not be governed by the higher figures if they desire to purchase Meal for protein. The sliding guarantee is not an indication that the Meal so labeled will, upon analysis, reach the higher content of protein claimed. The only proper way for Cottonseed Meal to be guaranteed is with a single guarantee for protein and fat, and to hold the producers responsible for the amount of these nutrients claimed being present. It may be proper, as some claim, to sell Meal guaranteed with the sliding guarantee, basing such sales on the higher figures and advising that a rebate will be given to the consumers if, upon analysis, the shipment fails to meet the guarantees given. This method might work out to the satisfaction of both dealers and purchasers on large shipments, but for purchasers of small shipments this method is both expensive and inconvenient to the purchaser.

Consumers of Cottonseed Meal who purchase this product for protein and fat should study the results of analysis obtained on the samples of Meal as shown in the large table if they wish to learn what brands, as a rule, meet their guarantees at the retail prices given. It is realized that the 83 samples examined did not fairly represent all the brands of Meal being offered for sale in the State, especially where only 1 or 2 samples of a certain brand were secured and where these brands were not being sold in large quantities. The samples received, however, especially where several samples of one brand were included, will show the character of the Cottonseed Meal being sold in the State. In order to show a comparison of the quality of the Meals sold during the year as represented by the samples analyzed where 2 or more were received, the following table has been prepared. These brands have been arranged in the order of their average protein content those highest being placed first. The total amount of protein and fat has been estimated and from the average retail prices given our Special Agents, the amount of protein and fat which was delivered for one dollars is included. It will be noted that there was a variation in the number of pounds of protein and fat purchased for one dollar of from 25.28 to 30.90 pounds. Where Cottonseed Meal is purchased for the purpose of supplying these constituents to a ration, the amount obtained for the price paid is worthy of consideration.

Brand Names.	No. samples.	Protein.		Fat.		Fiber.		Price per ton.	Total protein and fat.	Pounds.	Protein and fat for \$1.00.
		Per Ct.	Per Ct.	Per Ct.	Dollars.	Per Ct.	Per Ct.				
Good Luck Brand,	2	43.97	7.33	8.49	\$35.00	51.30	29.31				
Imperial Cotto Brand,	5	43.48	8.42	7.79	36.40	51.90	28.52				
Canary Brand,	2	41.88	8.34	9.63	32.50	50.22	30.90				
Bartlett's Farmer Brand,	4	41.81	8.04	10.12	35.75	49.85	27.89				
Owl Brand,	27	41.56	8.31	9.52	35.80	49.87	27.86				
Dixie Brand,	11	40.11	7.83	10.52	34.82	47.94	27.54				
Buckeye Prime,	9	39.92	7.30	11.49	36.33	47.22	26.00				
Dirigo Brand,	4	39.91	8.78	10.54	33.50	48.69	29.07				
M. F. B. Prime,	4	39.64	7.83	11.21	31.00	47.47	30.63				
Bonita Brand,	2	39.33	8.03	10.51	33.50	47.41	28.30				
Quaker Oats Co. Brand,	3	38.06	6.94	12.89	35.60	45.00	25.23				
Forfat Brand,	2	37.32	6.52	12.31	31.00	43.85	28.28				

LINSEED MEAL.

Analyses on Pages 52 to 57.

There were 51 samples of Linseed Meal received and analyzed, 8 being New Process and 43 being Old Process Oil Meals. The shipments from which these samples were taken were found to be properly labeled and guaranteed, no deficiencies being observed.

In the New Process Meals 3 brands were represented and in all cases the protein and fat contents exceeded the guarantees given. The protein varied from 35.50 per cent. to 37.50 per cent. with an average of 36.44 per cent.; the fat varied from 2.62 per cent. to 4.74 per cent. with an average of 3.37 per cent. and the fiber varied from 8.46 per cent. to 9.89 per cent. with an average of 9.21 per cent. In 3 samples a small amount of residue from screenings was detected which was caused by the failure to thoroughly clean the flaxseed before the oil extraction.

In the samples of Old Process Meals the guarantees, as a rule, were considerably exceeded and the shipments represented by these samples were found to be labeled with the guaranteed analysis. There were 8 brands of meals sampled. In 3 samples the presence of Screenings was noted indicating that in these meals the flaxseed had not been thoroughly screened before oil extraction. The protein varied from 29.75 per cent. to 37.06 per cent. with an average of 34.46 per cent.; the fat varied from 5.36 per cent. to 8.65 per cent. with an average of 6.89 per cent. and the fiber varied from 7.41 per cent. to 10.00 per cent. with an average of 8.57 per cent.

DISTILLERY AND BREWERY BY-PRODUCTS.

DISTILLERS' DRIED GRAINS LARGELY FROM CORN.

Analyses on Pages 56 and 57.

The number of samples of Feeding Stuffs classified as Distillers' Dried Grains largely from corn, was 21, one of which was found not to be labeled with the guaranteed analysis as required. Two samples were found to be deficient in protein and one in fat. The results of analysis showed the protein to range from 25.09 per cent. to 33.94 per cent. with an average of 31.35 per cent., the fat varied from 8.92 per cent. to 15.65 per cent. with an average of 12.37 per cent. and the fiber varied from 8.07 per cent. to 14.21 per cent. with an average of 11.35 per cent.

The Distillers' Dried Grains of this class are listed as being largely from corn for the reason that the predominating grain used in the mash was corn. It will be noted that there was a considerable variation in the protein content found in this class of Feeds which was due to the varying proportion as well as to the character of the grains used in the process of distillation. Eight different brands were represented and in the majority of cases the guarantees for protein were considerably exceeded.

DRIED GRAINS FROM OTHER CEREALS.

Analyses on Pages 58 and 59.

Five samples of Distillers' Dried Grains largely from Rye, all of which were guaranteed, were received and analyzed. This class of dried grains are those resulting from the distilling process where rye made up the greater proportion of the mash. One of the samples was found to be deficient in protein and 2 deficient in fat. The protein varied from 15.50 per cent. to 20.56 per cent. with an average of 17.29 per cent., the fat varied from 7.33 per cent. to 8.13 per cent. with an average of 7.76 per cent. and the fiber varied from 13.14 per cent. to 14.97 per cent. with an average of 13.74 per cent. Two brands were represented by these samples.

DRIED GRAINS FROM OTHER CEREALS.

Analyses on Pages 58 and 59.

Four samples of by-product Feeds were analyzed and examined which were classified as "Dried Grains from Other Cereals," and here included as they were sold as Distillers' Dried Grains and because it seemed proper to make a separate classification for these products as they were clearly unlike Distillers' Dried Grains

from Corn and Rye. This class of Dried Grains are either products from the process of manufacturing yeast and vinegar or a mixture of these grains with those from distilleries. They differ from Distillers' Dried Grain from Corn and Rye as they contain a considerable quantity of Malt Sprouts together with Barley Malt in addition to the Corn and Rye from which they are prepared. A large amount of this class of Feeds had formerly been shipped to Europe but since the recent embargo on exportation they have been offered for sale in Pennsylvania and other States. In some cases these Dried Grains, samples of which do not happen to be included in this report, and which are alike in their composition and analysis, are sold under the name of vinegar and yeast grains which clearly indicate the source from which they are derived. The average price our Special Agents received for the 4 samples analyzed was \$28.50, which will be noted, is less than the average price charged for Distillers' Grains from Corn and considerably in excess of the average price charged for Distillers' Grains from Rye. The analysis of these 4 samples were found to vary as follows: Protein 20.63 per cent. to 28.06 per cent. with an average of 22.80 per cent., fat 7.35 per cent. to 10.92 per cent. with an average of 8.42 per cent. and fiber 6.66 per cent. to 17.65 per cent. with an average of 13.70 per cent. It will be noted by referring to the large table that one sample was sold as "gluten feed" which ran considerably less in fiber than the other 3 samples.

BREWERS' DRIED GRAINS.

Analyses on Pages 58 to 63.

The number of samples of Brewers' Dried Grains analyzed was 45, all of which were found to be labeled with the guaranteed analysis, only one sample was found to be deficient in protein while in most cases the guarantees were considerably exceeded. Two samples were found to be labeled with sliding guarantees for protein and fat and the maximum guarantee for protein was found to be met upon analysis. Twenty-six different brands of Brewers' Dried Grains were represented by the samples secured. In this class of Feeds the content of protein was found to differ 11.94 per cent. between the lowest and highest and this difference in quality may no doubt be attributed to the varying proportion and character of the grains used in the process of brewing. The protein varied from 23.56 per cent. to 35.50 per cent. with an average of 28.82 per cent., the fat varied from 6.05 per cent. to 8.05 per cent. with an average of 7.01 per cent. and the fiber varied from 8.57 per cent. to 17.40 per cent. with an average of 13.52 per cent.

MALT SPROUTS.

Analyses on Pages 62 and 63.

Ten samples of Malt Sprouts were received and upon analysis, were found to meet their guarantees, there being no deficiencies noted. Seven brands of Malt Sprouts were represented, some of which were found to contain varying amounts of whole weed seeds and in some cases an excessive amount of barley hulls. Malt Sprouts should be free from weed seeds as this foreign material is only present when it has been added to or mixed with the Sprouts after the Barley has been sprouted. Purchasers of this product should examine carefully each shipment before it is accepted. The protein varied from 25.00 per cent. to 31.56 per cent., with an average of 28.03 per cent., the fat varied from 1.37 per cent. to 2.30 per cent. with an average of 1.76 per cent. and the fiber varied from 11.46 per cent. to 15.77 per cent. with an average of 13.08 per cent.

MAIZE BY-PRODUCTS.

CORN GLUTEN FEED.

Analyses on Pages 62 to 67.

The number of samples of Corn Gluten Feed analyzed was 52, all of which were found to be guaranteed. Ten different brands were represented. A sample of one brand being listed under the name of an importer instead of the manufacturer in accordance with the attached label. These samples were found to be comparatively constant in their character as will be noted. The number of deficiencies in this class of Feeds was small, one being found deficient in both protein and fat and one in protein alone. The protein varied from 18.56 per cent. to 30.69 per cent. with an average of 27.00 per cent., the fat varied from 1.84 per cent. to 5.17 per cent. with an average of 3.27 per cent. and the fiber varied from 4.12 per cent. to 8.75 per cent. with an average of 6.79 per cent. The variation in the chemical analysis of this class of goods is due to the difference in the process of manufacture as in some cases corn solubles are added to the by-products left from the manufacturing of starch. In other cases the difference is due to the proportion used of the horny endosperm of the corn, part of which may or may not be taken out and sold as Gluten Meal, leaving a larger proportion of the Corn Bran in the Feed.

CORN GLUTEN MEAL.

Analyses on Pages 66 and 67.

Only one brand of this product was found being sold in the State which is represented by the analysis of 3 samples, all of which were guaranteed. Upon analysis these guarantees were found to be considerably exceeded. The protein varied from 44.94 per cent. to 48.06 per cent. with an average of 46.48 per cent., the fat varied from 1.32 per cent. to 2.12 per cent. with an average of 1.66 per cent. and the fiber varied from 1.50 per cent. to 2.45 per cent. with an average of 1.96 per cent. This class of Feed consists for the most part of the horny endosperm of the corn, which shows a high content of protein and is, therefore, one of the highest concentrated Feeds, remaining quite constant in its composition.

HOMINY FEED.

Analyses on Pages 66 to 69.

The number of samples of Hominy Feed received during the year was 32, one of which was found not to be guaranteed as required. There was one sample found deficient in both protein and fat and 2 were deficient in fat alone. One sample was found to contain a larger proportion of Corn Bran than is usually present in Hominy Feeds making its general appearance slightly different in looks from the usual run of these Feeds. Nineteen brands were represented by the samples secured and the results of analysis showed the protein to vary from 9.00 per cent. to 12.88 per cent. with an average of 11.29 per cent., the fat varied from 4.38 per cent. to 10.08 per cent. with an average of 7.46 per cent. and the fiber varied from 2.59 per cent. to 6.45 per cent. with an average of 4.76 per cent.

CORN BRAN.

Analyses on Pages 68 to 71.

Ten samples of Corn Bran were received from Special Agents representing 9 different brands, some of which were sold under proprietary or trade names. These Feeds were good in their general appearance although one sample was found to contain a small amount of Corn Cleanings. No deficiencies were observed upon analysis and in every case the guarantees for protein and fat were exceeded. The protein varied from 8.94 per cent. to 11.06 per cent. with an average of 10.33 per cent., the fat varied from 4.51 per cent. to 8.60 per cent. with an average of 7.22 per cent. and the fiber varied from 5.81 per cent. to 13.43 per cent. with an average of 9.11 per cent.

CORN FEED MEAL.

Analyses on Pages 70 and 71.

Only 3 samples of Corn Feed Meal were secured representing 2 brands, one of which was not guaranteed. There was very little difference in the analysis of these 3 samples as will be noted. The protein varied from 9.13 per cent. to 9.75 per cent. with an average of 9.44 per cent., the fat varied from 4.37 per cent. to 4.88 per cent. with an average of 4.59 per cent. and the fiber varied from 1.82 per cent. to 2.35 per cent. with an average of 2.15 per cent. No deficiencies were observed.

WHEAT OFFALS.

LOW GRADE FLOUR.

Analyses on Pages 70 and 71.

Seven samples of Wheat Offals classed as Low Grade Flour and also known as Reddog Flour Middlings were received and analyzed during the year. One of these samples was not guaranteed and one was found to be deficient in fat. This product is that grade of flour obtained from the milling of wheat which is not considered of the proper quality to sell as flour and, therefore, it is offered for sale as a Feeding Stuff. The composition of this product, as found by analysis of samples received, varies considerably owing to the difference in the process of milling there being quite a range in the protein and fiber contents. The protein varied from 16.31 per cent. to 20.19 per cent. with an average of 18.01 per cent., the fat varied from 3.54 per cent. to 5.56 per cent. with an average of 4.69 per cent. and the fiber varied from 0.48 per cent. to 4.27 per cent. with an average of 2.90 per cent.

WHEAT MIDDLING.

Analyses on Pages 70 to 73.

Thirty-two samples of Wheat Middlings were received and classified under this heading. In the case of this product when pure, the guaranteed analysis is not required, however, 23 of the samples were found to be so labeled and of this number no deficiencies were detected, in every case the guarantees being exceeded. Four samples were found to contain a trace of ground screenings, while the remaining samples were free from foreign material of this nature. There are

a number of brands of Wheat Middlings being sold which are labeled to contain the so called "screenings not exceeding Mill run," which are listed under a separate heading in accordance with this branding, however, in a few of these samples no screenings were detected. As in the case of the Flour Middlings there was a considerable difference noted in the protein and fiber contents. Some of the samples carrying the larger amount of crude fiber were in the majority of cases shorts, and in some cases were so labeled. The protein varied from 13.88 per cent. to 20.94 per cent. with an average of 17.29 per cent., the fat varied from 3.47 per cent. to 7.06 per cent. with an average of 5.25 per cent. and the fiber varied from 2.25 per cent. to 9.11 per cent. with an average of 5.71 per cent.

WHEAT MIDDLING WITH ADMIXTURES.

Analyses on Pages 72 to 79.

Thirty-six samples of Wheat Offals classed as Wheat Middlings with Admixtures were received during the year, one of which was not labeled with the guaranteed analysis as required. Of this number 4 were Wheat Middlings containing Palm Oil, being the refuse cleaning mixture from the manufacture of tin plate, Wheat Middlings being used for the purpose of absorbing or removing the Palm Oil adhering to the plated metal. Four of these samples were Wheat Middlings with Admixtures of Maize By-products and the remaining samples were Wheat Middlings containing varying amounts of ground grain screenings. The chemical analysis of these by-product Feeds varied considerably as will be noted. Owing to the fact that several were admixtures of several materials, no attempt was made to average the class as a whole. The variations, in composition noted were as follows: Protein 12.44 per cent. to 20.22 per cent., fat 3.39 per cent. to 8.77 per cent. and fiber 3.72 per cent. to 8.93 per cent.

MIXED FEED—WHEAT BY-PRODUCTS.

Analyses on Pages 78 and 79.

Only 6 samples of Wheat Mixed Feeds were secured and included in this report. All were found to be properly guaranteed, no deficiencies being detected, the guarantees being well sustained. Some of the samples were labeled to show the presence of ground grain screenings and were found as advertised. The protein varied from 16.06 per cent. to 17.63 per cent. with an average of 16.79 per cent., the fat varied from 4.45 per cent. to 5.70 per cent. with an average of 5.01 per cent. and the fiber varied from 6.35 per cent. to 8.10 per cent. with an average of 7.67 per cent.

WHEAT BRAN.

Analyses on Pages 78 to 81.

Forty-six samples of Wheat Offals offered for sale as Pure Wheat Bran were received and analyzed during the year. Thirty-four of these samples were found to be guaranteed and of this number one was deficient in both protein and fat and one in protein alone. By referring to the large table of analytical results it will be noted that a large number of these samples represented as being Pure Wheat Bran contained varying amounts of ground grain screenings and should have been so labeled, however, as they were sold as Wheat Bran they were classified under this heading. There has been some confusion in regard to the labeling of Wheat Bran with and without the so called "mill run of ground screenings" and it will take some time before the required method of labeling is fully understood by all shippers. When Wheat Bran is pure the guaranteed analysis is not required and when it contains any amount of screenings, sacks or attached cards should be labeled to show the presence of screenings and with the guaranteed analysis. In most cases the amount of screenings present was only in traces and in a few instances a trace of whole weed seeds were detected. There seemed to be considerable variation in the chemical composition of the Wheat Brans reported herewith as the following figures will show. The protein varied from 13.25 per cent. to 18.75 per cent. with an average of 15.78 per cent., the fat varied from 3.70 per cent. to 5.95 per cent. with an average of 4.89 per cent. and the fiber varied from 3.06 per cent. to 12.75 per cent. with an average of 9.14 per cent.

WHEAT BRAN WITH ADMIXTURES.

Analyses on Pages 82 to 85.

Thirty-three samples of Wheat Offals containing certain admixtures were analyzed and classified as Wheat Bran with Admixtures. Only one of these samples represented a shipment not properly labeled. No deficiencies were noted. In this group were included all those samples of Wheat Bran which were labeled to show the presence of ground screenings and one sample which contained also "Maizo Reddog Flour." Owing to the fact that all the samples included in this class of Feeds, with the exception noted, were Wheat Brans with a fairly constant proportion of ground screenings, an average of the results of analysis was estimated. The variations with the average results obtained were as follows: The protein varied from 14.88 per cent. to 18.75 per cent. with an average of 16.32 per cent., the fat varied from 3.92 per cent. to 6.75 per cent. with an average of 5.03 per cent. and the fiber varied from 8.24 per cent. to 11.61 per cent. with an average of 9.66 per cent.

RYE OFFALS.

Analyses on Pages 84 to 87.

The number of samples representing Rye Offals received during the year was 5, 3 being Rye Middlings all of which were found to be guaranteed, and 2 being Rye Mixed Feeds, one of which was not guaranteed. No deficiencies were observed and the guarantees in those samples where given were exceeded. The average analysis of the Middlings was, protein 16.73 per cent., fat 3.30 per cent. and fiber 4.44 per cent. and the Rye Mixed Feeds averaged 14.82 per cent. protein, 3.21 per cent. fat and 5.05 per cent. fiber.

OAT BY-PRODUCTS.

Analyses on Pages 86 and 87.

Only 1 sample of this class of Feed was received and examined which was sold as "Oat Feed," it being the offals from the milling of oats. The composition, upon analysis, showed it to contain 8.19 per cent. protein, 4.14 per cent. fat and 20.24 per cent. fiber. Shipments represented by this sample was found to be guaranteed which were exceeded upon analysis.

BUCKWHEAT OFFALS.

Analyses on Pages 86 and 87.

The number of samples of by-product Feeds classed as Buckwheat Offals received was 6, 4 being Buckwheat Middlings and 2 being Buckwheat Feed. Only 1 sample of each of these 2 grades of Feeds were found to be guaranteed which, upon analysis, were exceeded. The composition of the Middlings varied as follows: Protein 20.31 per cent. to 29.50 per cent. with an average of 26.39 per cent., fat 5.30 per cent. to 7.89 per cent. with an average of 6.69 per cent. and fiber 4.36 per cent. to 18.50 per cent. with an average of 13.58 per cent. The average retail price quoted was \$28.25 a ton. The average analysis of the 2 Buckwheat Feeds was as follows: Protein 12.79 per cent., fat 3.74 per cent., fiber 31.47 per cent. The retail price quoted was \$24.60 a ton.

ALFALFA MEAL.

Analyses on Pages 86 and 87.

The number of samples of Alfalfa Meal received during the year was 8, 7 of which were found to be labeled with the guaranteed analysis as required. These products were found to be quite constant in their composition as will be noted. The protein varied from 13.75 per cent. to 16.19 per cent., with an average of 14.57 per cent., the fat varied from 1.65 per cent. to 2.16 per cent. with an average of 1.91 per cent. and the fiber varied from 25.42 per cent. to 33.40 per cent. with an average of 29.90 per cent. The average retail price quoted was \$35.00 a ton.

DRIED BEET PULP.

Analyses on Pages 86 to 89.

The number of samples of Dried Beet Pulp analyzed was 16, 1 of which was found not to be labeled with the guaranteed analysis. No deficiencies were observed. In this class of by-product Feeds there is very little difference in their composition. One of these samples was Dried Beet Pulp containing 10% of Cane Molasses. In the 15 samples not containing Molasses the protein varied from 8.00 per cent. to 10.81 per cent., with an average of 9.04 per cent., the fat varied from 0.48 per cent. to 1.36 per cent. with an average of 1.04 per cent., and the fiber varied from 13.19 per cent. to 20.26 per cent. with an average of 18.56 per cent. The average retail price quoted was \$28.53 a ton. The analysis of the sample containing Molasses was as follows: Protein 9.13 per cent., fat 1.16 per cent., fiber 17.43 per cent., retail price \$27.00 a ton.

MIXED FEEDS:—PROPRIETARY AND MISCELLANEOUS.

Of the total number of Feeding Stuffs received and examined during the year, 757 were classified as "Mixed Feeds" for the reason that they were mixtures composed of 2 or more ingredients including by-product feeds and whole or ground grains and which in most cases, were sold under trade or proprietary names. One-third of the number

were Poultry Foods which are being sold in increasing amounts from year to year. While the number of samples of each class of Feeds received is not an indication of the proportionate amount of sales of these Feeds, the samples do show in a general way the proportion of the various classes found for sale in the markets of the State. Reports from Special Agents show that the amount of number of brands of Poultry Foods being sold are on the increase and that where several samples of one class of Feed were obtained for analysis these brands or classes were being sold in greater quantities than those Feeds where only a few samples were secured.

In order to compare the analysis and general character of the various Mixed Feeds they have been arranged in classes, like brands placed together, and an average of the results of analysis estimated where two or more samples appear, which average will more truly represent the composition of a certain particular brand than the results obtained upon one sample. A few general remarks are included for each class of Feeds which classes together with the number of samples received are as follows: Proprietary Dairy Feeds 57; Proprietary Dairy Feeds with Molasses 140; Proprietary Stock, Horse and Mule Feeds 95; Proprietary Stock, Horse and Mule Feeds with Molasses 81; Proprietary Chop Feeds 66; Proprietary Calf Meals 18; Proprietary Swine Feeds 12; Miscellaneous Feeds 2; Mixed Chop Feeds 29 and Proprietary Poultry Foods 257.

PROPRIETARY DAIRY FEEDS.

Analyses on Pages 88 to 101.

The number of samples of Mixed Feeds analyzed and classified as Proprietary Dairy Feeds was 57. This group comprised those Dairy Feeds of the more highly concentrated type which did not contain molasses and which were found to be guaranteed to contain from 14.00 per cent. to 28.00 per cent. of protein. All shipments represented by these samples were found to be labeled with the guaranteed analysis and list of ingredients. In two cases the protein was found to be deficient and nine were deficient in fat. The protein contents of these Feeds, as found by analysis, ranged from 13.19 per cent. to 29.38 per cent. The guarantees, except in the cases referred to, were maintained and usually considerably exceeded. The list of ingredients, as claimed, offered little ground for criticism as will be noted by referring to the large table. They were clean in their general ap-

pearance and were composed for the most part of by-product Feeds and did not contain ground grain screenings as an ingredient as is the case with this class of Feeds to which molasses has been added. The retail price quoted, ranged from \$26.00 to \$38.00 a ton. The moisture content, as a rule, was found to be low as compared with other classes of Dairy Feeds especially those containing molasses and ranged from 6.83 per cent. to 11.10 per cent. Twenty brands of Feeds were represented. The following products were used as ingredients in these Feeds: Corn, oats, barley, corn bran, hominy feed, corn gluten feed, corn feed meal, corn meal, corn oil meal, cotton-seed meal, linseed oil meal, distillers' grains from corn, brewers' dried grains, malt sprouts, barley feed, alfalfa meal, wheat middlings, wheat bran, buckwheat middlings, dried beet pulp, cottonseed hulls and hull bran, ear corn, wheat offals with ground screenings not exceeding mill run and salt.

PROPRIETARY DAIRY FEEDS WITH MOLASSES.

Analyses on Pages 100 to 133.

There were 140 samples received during the year of the type usually designated as Molasses Feeds which were classified as Proprietary Dairy Feeds with Molasses. Of this number three were deficient in both protein and fat, nine were deficient in protein alone and two in fat alone. The shipments represented by these samples were found to be labeled with the guaranteed analysis and list of ingredients. The amount of protein claimed, varied from 12.00 per cent. to 28.00 per cent. and upon analysis ranged from 11.88 per cent. to 29.44 per cent., with the exception of two Feeds which were found to be adulterated and low in protein. In the majority of cases the protein guarantees were exceeded. The retail price quoted ranged from \$23.00 to \$34.00 a ton. There were 28 different brands of Feeds represented and quite a variety of ingredients was used in their composition. The moisture content, in some samples was found to be rather high, in a few cases exceeding 14.00 per cent. Samples representing one brand were found to contain approximately 25.00 per cent. ground peanut hulls. A number of the samples, as will be noted, contained various amounts of whole weed seeds, ranging from only traces to 5.00 per cent. Approximately three-fourths of these samples represented Feeds in which ground grain screenings

had been used as a principal ingredient. The presence of weed seeds in the cases referred to, can be attributed to the use of screenings which had not been thoroughly cleaned or ground in the form of a meal. The general appearance of these Feeds, except those which contained weed seeds and peanut hulls, was good and shows that this class of Feeds are improving in their general character.

As a result of several inquiries for the complete analysis of Molasses Feeds and the amount of carbohydrates, ash and molasses contained therein, an attempt has been made to include this information in this report, insofar as time for the work has permitted. Where four or more samples representing this class of Feeds were received, and could be retained, equal portions were taken and after being thoroughly mixed, were analyzed. All the brands represented by the samples received, were not examined in this manner, for the reason that it was not thought advisable where only one or two samples of a certain brand of Feed were received to do this work, and also because in several cases the entire sample was used for analysis. However, enough samples were retained with which to make a composite sample representing 10 brands of Feeds. In some cases, it will be noted, that the moisture content was lower than an average of the results included for these brands shown in the large table, and this condition is due to the fact that these samples necessarily had to remain in the Laboratory for some time before they could be mixed together and analyzed, and accordingly dried out. However, if all were computed to the same moisture basis these apparent variations would be eliminated. The amount of molasses present in these samples has been determined and reported as total sugar and the amount of molasses shown as being present was estimated from the total content of sugar found by assuming that the molasses used contained 65.00 per cent. of total sugar. It is hoped the results of analysis of these composite samples or mixtures, which are shown in the following table, will be of interest.

Brand Names.	Moisture.	Protein.	Fat.	Fiber.	Nitrogen, free extract.	Ash.	Total sugar as dextrose.	Molasses (estimated.)
Sucrene Dairy Feed,	9.71	17.63	5.89	12.70	45.25	8.82	5.89	9.06
Clover Leaf Dairy Feed,	9.58	18.94	4.52	12.50	45.32	9.14	10.11	15.54
International Special D. Feed,	8.60	16.31	4.68	13.36	48.24	8.81	5.72	8.80
Badger Dairy Feed,	10.56	17.44	3.87	12.43	46.94	8.76	9.36	14.40
Sugarcota Dairy Feed,	10.01	17.25	4.58	12.03	46.78	9.35	7.16	11.01
Blue Ribbon Dairy Feed,	8.55	25.88	4.49	11.44	43.20	6.44	6.61	10.20
Quaker Dairy Feed,	9.53	17.13	4.80	12.03	49.34	7.17	11.72	18.03
Purina Dairy Feed,	8.18	21.94	3.95	15.87	42.86	7.20	5.77	8.88
Sugarcane Dairy Feed,	7.35	18.19	5.91	13.01	47.10	8.44	8.45	13.00
Hammond Dairy Feed,	9.10	18.00	5.04	12.15	47.12	8.59	9.09	13.98

The following list of ingredients were used in compounding these Molasses Feeds: corn, oats, barley, wheat, cottonseed meal, linseed oil meal, distillers' dried grains, brewers' dried grains, corn oil meal, corn gluten feed, alfalfa meal, beet pulp, corn bran, hominy feed, corn feed meal, wheat middlings, buckwheat middlings, barley feed, oat shorts, oat middlings, oat hulls, clipped oat by-product, ground and bolted grain screenings, ground barley and flax screenings, cane molasses and salt. Ground peanut hulls were used in two feeds found adulterated as well as varying amounts of whole weed seeds.

PROPRIETARY STOCK, HORSE AND MULE FEEDS.

Analyses on Pages 132 to 149.

In this group were placed the 95 samples of Feeds not containing molasses and which were classed as Proprietary Stock, Horse and Mule Feeds. Forty-nine brands were represented. These Feeds, as a rule, contained less protein and more carbohydrates than the two preceding classes of Proprietary Dairy Feeds with and without molasses. The guarantees for protein ranged from 6.00 per cent. to 18.00 per cent. and would average close to 10.00 per cent. The lowest protein found was 8.00 per cent. and the highest 22.19 per cent. All but two shipments were found to be labeled with the guaranteed analysis and list of ingredients. Seven samples were found to be deficient in protein and one in fat. The guarantees, as a rule, were exceeded. These samples were clean in their general appearance and quite free from weed seeds and other foreign substances. The majority of these feeds were composed of cracked and whole grains with various by-products feeds. The following materials were used as ingredients: Shelled and cracked corn, oats, barley, rye, wheat, cottonseed meal, linseed oil meal, brewers' dried grains, corn oil meal, alfalfa meal, reddog flour middlings, wheat middlings, wheat bran, rye middlings, rye bran, corn bran, corn feed meal, corn flour, cracked corn siftings, hominy feed, oat middlings, oat shorts, oat hulls, ground puffed rice, ground puffed wheat, barley siftings, ground grain screenings, and salt.

PROPRIETARY STOCK, HORSE AND MULE FEEDS WITH MOLASSES.

Analyses on Pages 148 to 159.

The number of samples classified as Proprietary Stock, Horse and Mule Feeds with Molasses was 81, all of which were found to be labeled with the guaranteed analysis and list of ingredients. Thirty-six different brands were represented. This class of Feeds was similar in their character to the foregoing group with the exception that they contained molasses as an ingredient. The guarantees for protein ranged from 4.61 per cent. (in the case of those Feeds which contained sphagnum moss and molasses) to 17.00 per cent. and the protein content in all these Feeds would average close to 10.00 per cent. The lowest protein found was 3.92 per cent. and the highest was 20.25 per cent. In this class of Feeds also the guarantees were found to be, as a rule, exceeded and the deficiencies noted were 1 in protein and 2 in fat. The majority of these samples were composed of whole and cracked grains and alfalfa meal with molasses. Two contained ground grain screenings and others included, in addition to whole and cracked grains, oat hulls, oat shorts and oat middlings. This class of Feeds, as represented by the samples examined, were as a rule, free from weed seeds and were clean in their general appearance. The following list of ingredients were used in their preparation: Whole and cracked corn, whole and rolled oats, whole and rolled barley, cottonseed meal, linseed oil meal, brewers' dried grains, malt sprouts, alfalfa meal, wheat middlings, wheat bran, oat middlings, oat shorts, oat hulls, oat screenings, buckwheat hulls, sphagnum moss, ground grain screenings, beet and cane molasses and salt.

PROPRIETARY CHOP FEEDS.

Analyses on Pages 158 to 165.

The number of samples of Feeds received and classified as Proprietary Chop Feeds, was 66, all but one of which were found to be guaranteed. There was quite a variety in the samples examined, forty-five different kinds or brands being represented. This group of Feeds includes those which were composed for the most part of whole grains, which were designated or sold under brand or pro-

prietary names as Chop Feeds. The protein contents were guaranteed to contain from 3.00 per cent. to 12.50 per cent. and upon analysis they were found to vary from 8.31 per cent. to 13.50 per cent. Two were found deficient in protein and 4 in fat. However, as a rule, the guarantees were considerably exceeded. In a number of cases, as will be noted, the list of ingredients found, as compared with those claimed did not quite correspond. Some ingredients were improperly named others omitted entirely and in a few cases small amounts of buckwheat hulls and screenings were present. The following products were used as ingredients: Corn, cracked corn, ear corn, corn bran, oats, barley, barley malt, buckwheat, buckwheat middlings, buckwheat hulls, brewers' dried grains, malt sprouts, alfalfa meal, low grade flour middlings, wheat middlings, wheat bran, rye middlings, rye bran, flaxseed, pea meal, cottonseed meal, linseed oil meal, hominy feed, oat middlings, ground grain screenings, rye screenings, molasses and salt.

PROPRIETARY CALF MEALS.

Analyses on Pages 164 to 169.

The number of samples of Calf Meals received and analyzed, was 18, all of which were found to be labeled with the guaranteed analysis. The list of ingredients was omitted in two cases and one sample was found to be deficient in protein and two in fat. There were eight different brands represented. These Meals, as a rule, ran high in protein ranging from 16.81 per cent. to 27.94 per cent. and they would average close to 24.00 per cent. In the majority of cases, as will be noted, the guarantees for protein were exceeded. The retail prices quoted varied from \$55.00 to \$80.00 a ton. The following products were used as ingredients: cottonseed meal, linseed oil meal, distillers' dried grains, brewers' dried grains, malt sprouts, corn gluten feed, cocoanut meal, barley flour, malt, malt flour, red-dog flour middlings, wheat shorts, wheat middlings, wheat flour, oat meal, baked wheat, unpressed flaxseed meal, ground grain screenings, dried milk, dried casein, locust bean meal, ground beans, ground peas, carob beans, lentils, foenugreek, anise seed, cocoa shells, sugar, bicarbonate of soda, and salt.

PROPRIETARY SWINE FEEDS.

Analyses on Pages 168 to 171.

In this group of Feeds were placed the 12 samples received which were sold under brand or proprietary names as Swine Feeds, it being thought advisable to make a separate division for this class of feeding stuffs in order to more readily compare their analysis and composition. All the samples were found to be guaranteed, one deficiency in fat being noted. Seven different brands were represented. The protein content was found to vary from 10.94 per cent. to 26.63 per cent. With a few exceptions, as will be noted, the list of ingredients were found to be as claimed. The following materials were used in the preparation of these feeds: Cottonseed meal, linseed oil meal, new process linseed meal, corn oil cake meal, corn germ meal, tankage, brewers' dried grains, malt sprouts, corn gluten feed, flour middlings, wheat middlings, wheat bran, wheat flour, ground corn, corn chop, hominy feed, rye chop, oat meal, barley meal, crushed flaxseed, bone meal, bone black, bean meal, cocoa shell meal foenugreek, ground grain screenings, molasses, charcoal and salt.

MISCELLANEOUS FEEDS.

Analyses on Pages 170 and 171.

Only two samples of feeding stuffs were received during the year which were classified as Miscellaneous Feeds, one being Ground Puffed Wheat which was found to be guaranteed and the other Crushed Flaxseed. The analyses of these feeds will be found on the pages noted above.

MISCELLANEOUS CHOP FEEDS.

Analyses on Pages 170 to 173.

During the year 29 samples of Feeds were received and examined which were classified as Miscellaneous Chop Feeds. In this group were placed the whole grain chops and mixtures of whole and ground grains which were not sold under brand or proprietary names. Nine samples represented shipments which were not guaranteed and which

were not required to be labeled with the guaranteed analysis for the reason that whole grains are not required to be labeled with this information. Four of the samples were Corn Chops with an average analysis of 9.16 per cent. protein, 4.49 per cent. fat and 3.01 per cent. fiber. Two were Oat Chops with an average of 12.97 per cent. protein, 5.58 per cent. fat and 8.44 per cent. fiber and 21 samples were mixtures of Corn and Oats which upon analysis were found to average 10.49 per cent. protein, 4.39 per cent. fat and 4.67 per cent. fiber. In three cases these Corn and Oats Chops were found to contain small amounts of other products. There were also two samples sold as Corn, Oats and Barley Chops which gave an average analysis of 11.16 per cent. protein, 4.21 per cent. fat and 5.66 per cent. fiber. One sample was found to contain a large amount of whole weed seeds, and there was one deficiency in fat.

PROPRIETARY POULTRY FOODS.

Analyses on Pages 172 to 217.

There were 257 samples of Feeding Stuffs received representing the Proprietary Poultry Foods which were being sold in the State during the year. Of this number, which was greater than any other kind or class of Feed examined, 27 were not guaranteed, 1 being deficient in both protein and fat, 6 deficient in protein alone and 7 in fat alone. Quite a variety in the kinds and compositions of these Feeds were noted there being 191 different brands and mixtures represented. These brands and mixtures represent the output of 65 local firms and 26 manufacturers located in other States. This class of Feeds included Chicken and Scratch grains composed for the most part of whole and cracked grains with a protein content ranging from 8.19 per cent. to 14.81 per cent. and Mash Feeds composed of whole or cracked grains with by-product materials running in protein from 11.13 per cent. to 27.81 per cent. A few Pigeon Feeds were also included carrying as high as 18.50 per cent. protein.

Both the quantity and number of brands of Poultry Foods being sold are steadily increasing. While the general character of these products has shown an improvement over those examined last year with respect to the presence of weed seeds, they are not as free from foreign materials as should be the case. Approximately one-third of the samples were found to contain whole weed seeds in traces and small amounts and a few samples contained large and excessive amounts of these foreign seeds. One sample was in bad condition

from worms, insects and weed seeds. In quite a number of cases also the ingredients identified did not correspond with those claimed. A few of these variations were caused by the Feeds sampled being composed of whole grains and not guaranteed where the composition was incorrectly given to the Special Agents. The Mash Feeds were, in most cases, free from weed seeds. There was also quite a variation in the retail prices charged for these Feeds. In the case of the Mash Feeds the retail price ranged from \$36.00 to \$55.00 per ton and in the Chicken, Pigeon, whole grain Feeds and other mixtures the prices varied from \$28.00 to \$73.00 per ton.

Parties purchasing these Feeds will do well to look at the mixtures carefully in order to make sure that they are not getting Feeds with 5.00 to 10.00 per cent. of weed seeds at whole grain prices. The following products were used as ingredients in these Poultry Foods: Whole and cracked corn, corn meal, oats, steel cut oats, rolled oats, hulled oats, wheat, baked wheat, rye, barley, buckwheat, Kaffir corn, milo maize, millet, peas, Canada peas, Mexican peas, sunflower seed, canary seed, hemp seed, vetch, rice, popped corn, pea meal, bean meal, locust bean meal, flaxseed, gentian root, ginger, licorice root, capsicum, fennel seed, beef scrap, beef and bone scrap, fish scrap, shredded fish, blood meal, cottonseed meal, linseed oil meal, cocoanut meal, dried milk, brewers' dried grains, mustard oil cake meal, alfalfa meal, buckwheat middlings, buckwheat bran, corn gluten meal, corn gluten feed, wheat middlings, wheat bran, rye middlings, rye bran, pin heat oat meal, oat middlings, oat shorts, oat hulls, beet pulp, hominy feed, corn bran, recleaned grain screenings, grain screenings containing weed seeds, cocoa shells, charcoal, Hen-e-ta bone grit, marble grit, limestone grit, calcium carbonate, calcium hydrate, sulphur, oyster shells, sulphate of iron and salt.

ANIMAL BY-PRODUCTS.

Analyses on Pages 216 to 219.

The number of samples classified as Animal By-Products was 19, one of which represented a shipment not labeled with the guaranteed analysis. The number of deficiencies noted was greater in proportion to this class of Feeds than in any other there being 1 deficient in both protein and fat, 6 deficient in protein alone and 1 deficient in fat alone. Seventeen different brands were represented including meat or beef and bone scraps, tankage and bone meal. In a number of samples, as will be noted, bone was found present and in these cases the shipments should have been labeled "meat and bone scrap" for where any considerable amount of bone is present

with meat the brand name or labeling should indicate the presence of bone. The protein in the meat scraps and meat and bone scraps ranged from 31.88 per cent. to 75.75 per cent. and the retail prices quoted for these products varied from \$56.00 to \$70.00 a ton. The protein in the 3 samples of tankage ranged from 51.25 per cent. to 60.75 per cent. and the retail prices quoted ranged from \$38.00 to \$55.00 a ton.

CONDIMENTAL STOCK AND POULTRY FOODS.

Analyses on Pages 218 to 221.

A few samples of Feeding Stuff's were secured and analyzed during the year which were classified as Condimental Stock and Poultry Foods for the reason that they were mixtures of substances having condimental and medicinal properties and products possessing nutritive value. Of the 9 samples received, 6 were found to be labeled with the guaranteed analysis. Of the number guaranteed the analysis was found in nearly every case to meet the amount claimed, one sample being found deficient in fat. The results of analysis and list of ingredients of these products together with the price charged will be found in the large table on the pages indicated. The ingredients of which they were composed included the following: Corn, oats, hulled oats, barley, cooked wheat, rape seed, caraway seed, fennel, gentian root, licorice, ginger, sassafras bark, cayenne pepper, black pepper, elecampagne, flaxseed meal, foenugreek, nux vomica, blood meal, meat meal, shredded cod fish, bone flour, meat, mustard oil cake meal, linseed oil meal, corn gluten feed, buckwheat middlings, corn meal, corn bran, wheat middlings, wheat bran, crackers, sulphur, starch, venetian red, epsom salts, antimony, red argold, salt petre, chalk, tobacco, sulphate of soda, sulphate of iron, bicarbonate of Potash, charcoal, limestone, powdered oyster shells and salt.

ANALYSES OF FEEDING STUFFS COLLECTED BY SPECIAL AGENTS.

In the following table (No. IV) will be found the results of the chemical analyses and microscopical examinations of all the official samples of Feeding Stuff's received during 1914. In addition to this information will be found the chemist's and Special Agent's numbers, the name and address of the manufacturers or importers, where

known, the name and address of the dealers from whom each sample was taken, the guarantees which were found upon sacks or attached cards and the retail prices quoted at the time the shipments were sampled. The results of examination together with this information have been classified or grouped according to the character, class or kind of Feeding Stuff's represented, in order that they may be readily compared and like brands placed together. In cases where two or more samples of the same kind or brand were received, an average of the results obtained has been estimated. In consulting the large table, therefore, the information on each sample will be found under the following general headings and sub-headings:

OIL CAKE MEALS including cottonseed meal, new process and old process linseed meal.

DISTILLERY AND BREWERY BY-PRODUCTS including distillers' dried grains largely from corn and rye, dried grains from other cereals, brewers' dried grains and malt sprout.

MAIZE BY-PRODUCTS including corn gluten feed, corn gluten meal, hominy feed, corn bran and corn feed meal.

WHEAT OFFALS including low grade flour, wheat middlings, wheat middlings with admixtures, mixed feed:—wheat by-products, wheat bran and wheat bran with admixtures.

RYE OFFALS including rye middlings and mixed feed:—rye by-products.

OAT BY-PRODUCTS including Oat Feed.

BUCKWHEAT OFFALS including buckwheat middlings, and buckwheat feed.

ALFALFA MEAL.

DRIED BEET PULP including dried beet pulp with and without molasses.

MIXED FEEDS including proprietary dairy feeds, proprietary dairy feeds with molasses, proprietary stock, horse and mule feeds, proprietary stock, horse and mule feeds with molasses, proprietary chop feeds, proprietary calf meals, proprietary swine feeds, miscellaneous feeds, miscellaneous chop feeds and proprietary poultry foods.

ANIMAL BY-PRODUCTS.

CONDIMENTAL STOCK AND POULTRY FOODS.

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.					
					Found.	Guaranteed.				
OIL CAKE MEALS.										
Cottonseed Meal.										
8992	Prime, The American Cotton Oil Co., Clarksdale, Miss.	Bedford, Davidson Bros.,	92	8.95	40.38	38.61				
9531	M. F. B. Prime, M. F. Barginer, Pa.	Lewisburg, Buffalo Flour Milling Co.	631	7.12	39.06	38.62				
10082	M. F. B. Prime, M. F. Barginer, Pa.	Chambersburg, D. W. Faust & Sons.	1182	7.18	41.06	38.62				
10065	M. F. B. Prime, M. F. Barginer, Pa.	Shippensburg, Niekles & Stewart.	1165	7.76	37.88	38.62				
10056	M. F. B. Prime, M. F. Barginer, Pa.	Newville, S. E. Shenk & Sons.	1156	8.00	40.25	38.62				
		Average, .....	.....	7.51	39.64	.....			
9873	Bartlett's Michigan Farmer Brand, J. E. Bartlett Co., Jackson, Mich.	New Castle, Fisher & Mengle.	973	9.50	42.56	41-46				
9733	Bartlett's Farmer Brand Fancy Choice, The J. E. Bartlett Co., Jackson, Mich.	Butler, H. J. Klinger & Co.	833	8.60	39.50	41-48				
10047	Bartlett's Michigan Farmer Brand, The J. E. Bartlett Co., Jackson, Mich.	Franklin, John H. Lavery,	1147	7.91	44.19	41-46				
9307	Bartlett's Michigan Farmer Brand, The J. E. Bartlett Co., Jackson, Mich.	Pittsburgh, The I. W. Scott Co.	407	7.93	41.00	41-48				
		Average, .....	.....	8.48	41.81	.....			
10174	Dove Brand Prime, F. W. Brode & Co., Memphis, Tenn.	Norristown, Simpson Bros.,	1274	7.22	40.56	38.63				
8902	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	York, Anderson Brothers & Co.	2	8.49	40.50	41.00				
10152	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Doylestown, Henry S. Beidler.	1252	7.45	41.75	41.00				
9047	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Myerstown, E. L. Bleistein.	147	7.30	40.88	41.00				
9985	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Paoli, Edward F. Bracken,	1085	7.52	41.38	41.00				
8934	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Littlestown, D. E. Bnekey & Son.	34	8.18	39.19	41.00				
10184	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Ambler, J. Watson Craft,	1284	7.20	42.19	41.00				
9129	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	South Fork, J. E. Crisman,	229	7.75	42.88	41.00				
10072	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Chambersburg, Diehl, Ownake & Diehl.	1172	6.77	43.88	41.00				
9033	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Palmyra, Early & Detweiler.	133	9.22	42.00	41.00				
10055	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Lititz, Elmer Eby,	1185	8.68	43.00	41.00				
9536	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Condorsport, Eulalia Mills,	686	7.95	40.06	41.00				
9579	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Coudersport, Gates Bros.,	679	7.72	42.06	41.00				
9675	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Montrose, J. M. Jeffers & Co.	775	8.01	41.50	41.00				
9021	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Palmyra, J. H. Kettering & Son.	124	7.19	41.44	41.00				
9523	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Milton, C. H. McMahan,..	623	8.45	41.31	41.00				
9524	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Milton, C. H. McMahan,..	624	6.25	38.88	41.00				
9085	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Womelsdorf, W. Theo. Miller.	185	8.10	40.88	41.00				
9318	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Rochester, Rochester Seed & Supply Co.	418	7.20	40.81	41.00				
9434	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Allentown, The Geo. B. Shelly Estate.	534	8.79	41.25	41.00				
9472	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	East Mauch Chunk, Stemler Brothers.	573	6.35	41.44	41.00				

FEEDING STUFFS COLLECTED IN 1914.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.			
8.83	8.00	8.65	11.50	\$1 85	.....	Cottonseed meal,
7.33	6.00	12.52	12.00	34 00	Made from cottonseed,	Cottonseed meal and excessive amount of hulls.
8.20	6.00	9.74	12.00	1 50	Made from cottonseed,	As certified,
7.53	6.00	12.32	10.00	28 00	Made from cottonseed,	Cottonseed meal and excessive amount of hulls.
8.27	6.00	10.28	10.00	32 00	Made from cottonseed,	As certified,
7.83	.....	11.21	.....	31 60		Cottonseed meal,
9.06	7-12	8.87	6-10	1 75	.....	Cottonseed meal,
7.25	7-12	11.33	4-10	1 90	.....	Cottonseed meal,
7.40	7-12	9.23	6-10	1 80	.....	Cottonseed meal,
8.44	7-12	11.01	4-10	34 00	.....	Cottonseed meal,
8.04	.....	10.12	.....	35.75		
8.25	6.00	9.70	10.00	32 00	Decorticated cottonseed,	As certified,
8.78	6.00	9.00	10.00	34 00	Decorticated cottonseed,	As certified,
7.59	6.00	10.43	10.00	33 00	Made from cottonseed,	As certified,
7.75	6.00	10.60	10.00	1 65	Decorticated cottonseed,	As certified,
7.83	6.00	11.64	10.00	36 00	Decorticated cottonseed,	As certified,
7.42	6.00	9.72	10.00	34 00	Decorticated cottonseed,	As certified,
8.81	6.00	8.70	10.00	35 60	Decorticated cottonseed,	As certified,
8.01	6.00	7.25	10.00	1 85	Decorticated cottonseed,	As certified,
8.68	6.00	8.72	10.00	30 00	Made from cottonseed,	As certified,
7.43	6.00	9.50	10.00	1 75	Decorticated cottonseed,	As certified,
9.02	6.00	6.89	10.00	1 70	Made from cottonseed,	As certified,
7.09	6.00	10.65	10.00	1 85	Decorticated cottonseed,	As certified,
6.41	6.00	10.00	10.00	1 90	Decorticated cottonseed,	As certified,
9.31	6.00	8.71	10.00	1 75	Decorticated cottonseed,	As certified,
8.37	6.00	10.66	10.00	34 50	Decorticated cottonseed,	As certified,
9.61	6.00	9.55	10.00	1 90	Decorticated cottonseed,	As certified,
7.07	6.00	11.00	10.00	1 90	Decorticated cottonseed,	As certified,
7.92	6.00	10.07	10.00	1 75	Decorticated cottonseed,	As certified,
7.69	6.00	10.77	10.00	1 85	Decorticated cottonseed,	As certified,
8.65	6.00	8.28	10.00	1 85	Decorticated cottonseed,	As certified,
11.67	6.00	8.79	10.00	1 85	Decorticated cottonseed,	As certified,

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9485	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Quakertown, T. & J. Straw.	585	Per ct.	40.50	41.00
10076	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Chambersburg, George Walker.	1176	6.77	42.13	41.00
9945	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Christiana, B. Frank Walter.	1045	8.28	43.81	41.00
9742	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Butler, George Walter & Sons.	842	7.90	40.44	41.00
9918	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Warren, Warren City Mills	1018	7.50	43.81	41.00
9114	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Windber, Weaver & Berkey	214	8.25	42.19	41.00
9043	Owl Brand High Grade, F. W. Brode & Co., Memphis, Tenn.	Myerstown, S. T. Yost,..	143	7.50	40.88	41.00
		Average,		7.72	41.56	.....
9883	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	New Castle, City Roller Mills.	933	6.98	40.44	38.62
9602	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Wellsboro, Equity Co-Operative Exchange.	702	8.01	39.13	38.62
10134	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Erie, Erie Milling & Supply Co.	1234	8.40	42.56	38.62
10169	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Conshohocken, Henderson Supplee & Son.	1269	7.34	39.38	38.62
9207	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Clarion, E. T. Kahle & Son.	307	7.08	38.63	38.62
9803	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	903	8.36	39.44	38.62
9704	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Wilkes-Barre, Miner-Hillard Milling Co.	804	8.34	39.33	38.62
9513	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	DuBois, A. T. Sprankle,..	613	8.06	39.69	38.62
9718	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Houston, W. M. Templeton & Sons.	818	7.87	40.63	38.62
		Average,		7.83	39.92	.....
9388	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Sunbury, Blank & Gettshall.	488	6.92	41.50	41-43
9120	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Johnstown, Swope Bros,..	220	6.90	46.44	41-43
		Average,		6.91	43.97	.....
10034	Canary Brand Choice, D. H. Hicky & Co., Memphis, Tenn.	Titusville, Kerr Hill Mill Co., Ltd.	1134	8.21	41.06	41.00
9274	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Muncy, City Flouring Mills, Inc.	374	8.76	39.81	38.62
9178	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Bradford, L. A. Fischer & Co.	278	6.33	40.56	38.62
9779	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Towanda, T. H. Hagerman.	879	8.81	37.94	38.62
		Honesdale, W. B. Holmes,	792	9.02	38.81	38.62
						-43.00
9692	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Franklin, Johnson & Co,..	1145	8.20	44.81	38.62
10015	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Linesville, Linesville Milling Co.	1203	8.89	41.19	38.62
10109	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Scottdale, J. E. Pritts,..	494	7.26	39.44	38.62
9394	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	St. Marys, L. Ritter,	605	8.47	37.13	38.62
9506	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Farrell, Julius B. Roux, ..	993	8.28	41.19	38.62
						-43.00
9893	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.					

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Round.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Guaranteed.	Round.	Guaranteed.	Round.				
Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	\$1 70	Decorticated cottonseed.	As certified,	9185
8.14	6.00	9.69	10.00			Made from cottonseed,	As certified,	10076
8.15	6.00	9.61	10.00		1 65	Decorticated cottonseed,	As certified,	9945
9.89	6.00	7.85	10.00		33 00	Decorticated cottonseed,	As certified,	9742
6.74	6.00	10.55	10.00		1 75	Decorticated cottonseed,	As certified,	9918
8.60	6.00	9.18	10.00		1 66	Decorticated cottonseed,	As certified,	9114
7.28	6.00	10.04	10.00		36 00	Decorticated cottonseed,	As certified,	9043
10.48	6.00	9.10	10.00		1 65	Decorticated cottonseed,	As certified,	
8.31	.....	9.52	.....		35 80		Cottonseed meal and excessive amount of hulls.	9889
7.44	6.00	11.23	12.00		32 00	.....	Cottonseed meal and excessive amount of hulls,	9602
7.37	6.00	10.33	12.00		1 75	.....	Cottonseed meal and excessive amount of hulls,	10134
7.29	6.00	10.09	12.00		31 00	.....	Cottonseed meal and excessive amount of hulls,	10169
6.74	6.00	12.00	12.00		34 00	.....	Cottonseed meal and excessive amount of hulls,	9207
7.66	6.00	13.21	12.00		2 15	.....	Cottonseed meal and excessive amount of hulls,	9803
7.25	6.00	10.41	12.00		39 00	.....	Cottonseed meal,	9704
6.81	6.00	11.96	12.00		1 95	.....	Cottonseed meal,	9513
6.90	6.00	11.81	12.00		1 80	.....	Cottonseed meal and excessive amount of hulls,	9718
8.11	6.00	12.43	12.00		1 90	.....	As certified,	9388
7.30	.....	11.40	.....		36 33	Decorticated cottonseed,	As certified,	9120
7.46	7-9	9.98	10.50		35 00	Decorticated cottonseed,	As certified,	10034
7.20	7-9	7.00	10.50		35 00	Decorticated cottonseed,	As certified,	9274
7.33	.....	8.49	.....		35 00		As certified,	9178
7.91	6.00	11.63	10.00		1 75	Decorticated cottonseed,	Cottonseed meal with excessive amount of hulls,	9779
8.33	6-8	8.68	8-12		31 00	Made from pressed cottonseed.	Cottonseed meal with excessive amount of hulls,	9692
8.23	6-8	10.78	8-12		1 85	Made from pressed cottonseed.	As certified,	10045
8.46	6-8	11.83	8-12		33 00	Made from pressed cottonseed.	As certified,	10109
6.25	6-8	12.42	8-12		1 80	Made from pressed cottonseed.	As certified,	9394
9.20	6-8	8.00	8-12		1 80	Made from pressed cottonseed.	Cottonseed meal with excessive amount of hulls,	9305
7.67	6-8	10.70	8-12		1 50	Made from pressed cottonseed.	As certified,	9898
6.61	6-8	11.00	8-12		1 75	Made from pressed cottonseed.	As certified,	
8.40	6-8	11.03	8-12		1 75	Made from pressed cottonseed.	Cottonseed meal with excessive amount of hulls,	
8.65	6-8	9.45	8-12		1 75	Made from pressed cottonseed.	As certified,	

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9321	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	Neshannock Falls, J. Y. Walker.	421	6.94	40.50	38.62
9671	Dixie Brand, Humphreys, Godwin Co., Memphis, Tenn.	East Stroudsburg, J. M. Wyckoff.	771	9.22	39.81	38.62
		Average, .....	.....	8.19	40.11	.....
10137	Forfat Brand, Humphreys, Godwin Co., Memphis, Tenn.	Wesleyville, W. D. Ripley,	1237	9.04	38.38	38.62
9416	Forfat Brand, Humphreys, Godwin Co., Memphis, Tenn.	Lock Haven, E. E. Wentz,	516	7.20	36.25	38.62
		Average, .....	.....	8.12	37.32	.....
9595	Imperial Cotto Brand Choice, Imperial Cotto Milling Co., Memphis, Tenn.	Westfield, F. A. Ackley, ..	695	8.48	41.88	41-45
9423	Imperial Cotto Brand Choice, Imperial Cotto Milling Co., Memphis, Tenn.	Lock Haven, F. H. Dyer, ..	523	8.32	43.56	41-45
8956	Imperial Cotto Brand Choice, Imperial Cotto Milling Co., Memphis, Tenn.	Lancaster, John W. Eshelman.	56	8.39	43.75	41-45
9106	Imperial Cotto Brand Choice, Imperial Cotto Milling Co., Memphis, Tenn.	Johnstown, Johnstown Milling & Provision Co.	206	8.13	44.38	41-45
9134	Imperial Cotto Brand Choice, Imperial Cotto Milling Co., Memphis, Tenn.	Johnstown, A. F. Stutzman & Co.	234	8.15	43.81	41-45
		Average, .....	.....	8.29	43.48	.....
9837	Canary Brand High Grade, Lanier Brothers, Nashville, Tenn.	Mechanicsburg, A. B. Harnish.	937	8.64	39.75	41.00
10118	Canary Brand High Grade, Lanier Brothers, Nashville, Tenn.	Erie, Nickel Plate Flour Mills.	1218	8.00	44.00	41.00
		Average, .....	.....	8.32	41.88	.....
9877	Staff Brand High Grade, The Larrowe Milling Co., Detroit, Mich.	New Castle, New Castle Feed Co.	977	9.03	42.63	41.00
9988	Canary Extra Brand Choice, C. L. Montgomery & Co., Memphis, Tenn.	Paoli, Edward F. Bracken,	1088	7.52	41.94	41-43
9907	Canary Brand High Grade, C. L. Montgomery & Co., Memphis, Tenn.	Kane, J. A. Stoll & Co.,	1007	7.30	40.19	38.63
9633	..... The Quaker Oats Co., Chicago, Ill.	Mifflin, W. H. Manbeck & Son.	733	8.78	38.06	38-41
10023	..... The Quaker Oats Co., Chicago, Ill.	Oil City, New Model Milling Co.	1123	6.55	38.00	.....
10040	..... The Quaker Oats Co., Chicago, Ill.	Oil City, Oil City Milling Co.	1140	7.91	37.25	.....
		Average, .....	.....	7.74	38.06	.....
9432	Robin Brand, Geo. B. Robinson, Jr., New York, N. Y.	Antes Fort, Gheen, Spigelmier & Phleger.	532	8.55	40.75	41.00
9954	Dirigo Brand, W. Newton Smith, Baltimore, Md.	West Grove, S. K. Chambers & Bro.	1054	7.72	40.31	41-43
8923	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Hanover, Geo. Hull & Sons.	23	5.68	40.13	41-43
8909	Dirigo Brand, W. Newton Smith, Baltimore, Md.	York, H. H. Smyser,	9	7.57	40.19	38.62
9938	Dirigo Brand, W. Newton Smith, Baltimore, Md.	Gap, Joseph C. Walker & Sons Co.	1038	7.18	39.00	41-43
		Average, .....	.....	7.03	39.91	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Pound.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.75	Made from pressed cottonseed.	As certified,	9321
7.08	6-8	11.01	8-12		Made from pressed cottonseed.	As certified,	9671
7.21	6-8	10.92	8-12	37.00	Made from pressed cottonseed.		
7.83	.....	10.52	.....	34.82			
6.86	6-8	11.69	8-12	29.00	Made from pressed cottonseed.	As certified,	10137
6.18	6-8	12.83	8-12	33.00	Made from pressed cottonseed.	Cottonseed meal and excessive amount of hulls.	9416
6.52	.....	12.31	.....	31.00			
7.93	8.00	8.25	9.00	1.75	.....	Cottonseed meal,	9595
8.55	8.00	6.80	9.00	1.75	.....	Cottonseed meal,	9428
10.71	8.00	6.76	9.00	35.00	.....	Cottonseed meal,	8956
7.59	8.00	8.18	9.00	2.00	.....	Cottonseed meal,	9106
7.82	8.00	8.97	9.00	1.85	.....	Cottonseed meal,	9134
8.42	.....	7.79	.....	36.40			
9.24	6.00	9.82	10.00	34.00	Decorticated cottonseed,	As certified,	9837
7.38	6.00	9.45	10.00	31.00	Decorticated cottonseed,	As certified,	10118
8.34	.....	9.68	.....	32.50			
7.31	7.00	7.99	10.00	1.25	Decorticated cottonseed,	As certified,	9877
8.13	6-9	9.55	8-10	36.00	Decorticated cottonseed,	As certified,	9968
8.04	6-8	9.18	8-12	35.00	Decorticated cottonseed,	As certified,	9907
7.28	6-8	14.55	10-12	1.85	.....	Cottonseed meal and excessive amount of hulls.	9633
6.93	.....	11.56	.....	1.75	.....	Cottonseed meal and excessive amount of hulls.	10023
6.61	.....	12.56	.....	1.75	.....	Cottonseed meal and excessive amount of hulls.	10040
6.94	.....	12.89	.....	1.78			
7.14	6-8	9.37	8-10	1.85	.....	Cottonseed meal,	9432
7.50	7-9	11.70	6-10.5	33.00	Decorticated cottonseed,	Cottonseed meal and excessive amount of hulls.	9954
9.90	7-9	11.04	6-10.5	1.75	Decorticated cottonseed,	Cottonseed meal and excessive amount of hulls.	8923
8.22	7-9	9.19	10.50	33.00	Decorticated cottonseed,	As certified,	8909
9.51	7-9	10.26	6-10.5	33.00	Decorticated cottonseed,	As certified,	9938
8.78	.....	10.54	.....	33.50			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture	Crude Protein.	
					Found.	Guaranteed.
10178	Aurora Brand, Southern Cotton Oil Co., Charlotte, N. C.	Edge Hill, James E. McCaughey.	1278	7.38	41.06	41.00
10089	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Manheim, Frank K. Nau-man.	1189	7.52	39.06	38.62
9064	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Reading, Aug. C. Wertz & Bro.	164	7.71	39.09	38.62
		Average, .....	.....	7.61	39.38	.....
		Total average, .....	.....	7.85	40.88	.....
8901	Cleveland Flaxmeal, American Linseed Co., New York, N. Y.	York, Anderson Brothers & Co.	1	9.26	36.88	36.00
10150	Cleveland Flaxmeal, American Linseed Co., New York, N. Y.	Doylestown, Henry S. Beidler.	1250	9.25	36.88	36.00
8930	Cleveland Flaxmeal, American Linseed Co., New York, N. Y.	Littlestown, D. E. Buck-ey & Son.	30	8.70	35.69	36.00
10185	Cleveland Flaxmeal, American Linseed Co., New York, N. Y.	Ambler, J. Watson Craft,	1285	8.81	36.50	36.00
8914	Cleveland Flaxmeal, American Linseed Co., New York, N. Y.	York, Strayer Brothers Co.	14	9.80	35.50	36.00
		Average, .....	.....	9.16	36.29	.....
10086	Hypro Pure, American Linseed Co., New York, N. Y.	Lititz, Elmer Eby,	1186	8.15	37.50	36.00
9908	Pure, American Linseed Co., New York, N. Y.	Kane, J. A. Stoll & Co.,..	1008	8.26	35.94	36.00
		Average, .....	.....	8.21	36.72	.....
9488	Flaxmeal, C. W. Wagner & Co., Philadelphia, Pa.	Pottstown, A. K. Kulp,..	588	7.17	36.63	30-35
		Total average, .....	.....	8.67	36.44	.....
		Linseed Meal, O. P.				
9048	..... American Linseed Co., New York, N. Y.	Myerstown, E. L. Blei-stein.	148	9.33	36.31	32-36
9580	..... American Linseed Co., New York, N. Y.	Coudersport, Gates Bros.,	680	9.32	35.31	34.00
9191	..... American Linseed Co., New York, N. Y.	Smethport, Herzog Milling Co.	291	9.61	35.31	34.00
8927	..... American Linseed Co., New York, N. Y.	Hanover, Geo. Hull & Sons.	27	9.02	35.38	34.00
9577	..... American Linseed Co., New York, N. Y.	Port Allegany, Port Allegheny Milling Co.	677	9.50	34.25	34.00
9817	..... American Linseed Co., New York, N. Y.	Wilkes-Barre, Robbins Milling Co.	917	8.54	36.50	34.00
		Average, .....	.....	9.22	35.51	.....
9530	Amco, American Milling Co., Peoria, Ill.	Lewisburg, Buffalo Flour Milling Co.	630	8.37	32.13	30.00
9328	Amco, American Milling Co., Peoria, Ill.	Beaver Falls, Dodds & Garret.	428	8.91	32.44	30.00
9573	Amco, American Milling Co., Peoria, Ill.	Emporium, Emporium Milling Co.	673	9.21	34.94	30.00
9937	Amco, American Milling Co., Peoria, Ill.	Parkesburg, E. H. Keen & Co.	1037	10.18	30.50	30.00
9725	Amco, American Milling Co., Peoria, Ill.	Butler, H. J. Klingler & Co.	535	9.29	29.75	30.00
8955	Amco, American Milling Co., Peoria, Ill.	Quarryville, Lancaster County Farmers' Association.	85	8.84	35.50	32.00
10111	Amco, American Milling Co., Peoria, Ill.	Linesville, Linesville Milling Co.	1211	10.24	32.50	30.00
10130	Amco, American Milling Co., Peoria, Ill.	Edge Hill, James E. McCaughey,	1280	9.63	34.44	30.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.60	Made from cottonseed.	As certified,	10178
7.31	7.08	9.84	10.00				
7.10	6.00	11.84	10.00	32.00	Made from cottonseed.	As certified,	10039
8.96	6.00	9.78	10.00	35.00	Made from cottonseed.	As certified,	9064
8.03	.....	10.81	.....	33.50			
7.97	.....	10.11	.....	35.17			
3.79	2.00	8.46	9.00	35.00	.....	Linseed oil meal,	8901
2.85	2.00	9.17	9.00	35.00	.....	Linseed oil meal and a small amount of residue from screenings.	10150
3.88	2.00	8.97	9.00	1.90	.....	Linseed oil meal,	8930
2.62	2.00	9.89	9.00	35.00	.....	Linseed oil meal and small amount of oats and screenings.	10185
4.74	2.00	9.25	9.00	39.00	.....	Linseed oil meal,	8914
3.58	.....	9.14	.....	36.20			
3.27	2.00	9.17	9.00	1.85	.....	Linseed oil meal,	10086
2.82	2.00	9.85	9.00	37.00	.....	Linseed oil meal and small amount of screenings.	9908
3.05	.....	9.51	.....	37.00			
2.96	1-3	8.95	12-15	1.60	.....	Linseed oil meal,	9488
3.37	.....	9.21	.....	35.88			
8.65	5-7	8.13	5.5-7	1.75	.....	Linseed oil meal,	9048
7.30	5.00	8.68	8.00	1.90	.....	Linseed oil meal,	9580
5.42	5.00	8.16	8.00	1.75	.....	Linseed oil meal,	9191
5.36	5.00	8.12	8.00	1.85	.....	Linseed oil meal,	8927
5.70	5.00	8.74	8.00	1.85	.....	Linseed oil meal,	9577
5.68	5.00	7.93	8.00	33.00	.....	Linseed oil meal,	9817
6.35	.....	8.20	.....	36.67			
6.55	5.00	9.72	10.00	35.00	Flaxseed product,	Linseed oil meal and large amount of screenings.	9530
7.01	5.00	9.35	10.00	2.00	Flaxseed product,	As certified,	9328
7.55	5.00	9.02	10.00	1.75	Flaxseed product,	As certified,	9573
7.03	5.00	9.50	10.00	32.00	.....	Linseed oil meal,	9937
7.46	5.00	9.71	10.00	1.95	Flaxseed product,	As certified,	9735
7.29	6.00	7.76	11.00	1.85	Flaxseed product,	As certified,	8985
6.70	5.00	9.17	10.00	1.65	Flaxseed product,	As certified,	10111
7.06	5.00	8.08	10.00	1.90	Flaxseed product,	As certified,	10180

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9339	Amco, American Milling Co., Peoria, Ill.	Millerstown, I. B. Sechrist,	739	Per ct. 8.59	Per ct. 33.06	Per ct. 32.00
8961	Amco, American Milling Co., Peoria, Ill.	Lancaster, Shreiner & Son,	61	9.77	33.00	32.00
		Average, .....	.....	9.31	32.83	.....
8903	Ground Oil Cake, Archer-Daniels Linseed Co., Minneapolis, Minn.	York, Anderson Brothers Co.	3	10.02	37.06	32.00
9606	Ground Oil Cake, Archer-Daniels Linseed Co., Minneapolis, Minn.	Wellsboro, Equity Co-Operative Exchange,	706	9.36	36.69	32.00
9071	Ground Oil Cake, Archer-Daniels Linseed Co., Minneapolis, Minn.	Kutztown, Heffner, Dietrich Co.	171	8.55	37.06	32.00
9026	Ground Oil Cake, Archer-Daniels Linseed Co., Minneapolis, Minn.	Palmyra, J. H. Kettering & Son.	126	8.89	37.06	32.00
9427	Ground Oil Cake, Archer-Daniels Linseed Co., Minneapolis, Minn.	Howard, W. H. Long, ...	527	9.41	36.19	32.00
		Average, .....	.....	9.24	36.81	.....
9251	Pure, The Mann Brothers Co., Buffalo, N. Y.	Altoona, T. M. Biddle, ..	351	9.44	35.38	34.37
9413	Pure, The Mann Brothers Co., Buffalo, N. Y.	Lock Haven, F. H. Dyer,..	513	9.78	36.50	34.37
10130	Pure, The Mann Brothers Co., Buffalo, N. Y.	Erie, Erie Milling & Supply Co.	1230	10.20	36.38	34.37
9423	Pure, The Mann Brothers Co., Buffalo, N. Y.	Antes Fort, Gheen Spigelmier & Phleger.	533	9.93	34.88	34.37
10036	Pure, The Mann Brothers Co., Buffalo, N. Y.	Titusville, Kerr Hill Mill Co., Ltd.	1136	9.15	36.50	34.37
9087	Pure, The Mann Brothers Co., Buffalo, N. Y.	Womelsdorf, W. Theo. Miller.	187	9.46	34.06	34.37
10077	Pure, The Mann Brothers Co., Buffalo, N. Y.	Chambersburg, George Walker.	1177	9.75	36.63	34.37
9324	Pure, The Mann Brothers Co., Buffalo, N. Y.	Neshannock Falls, J. Y. Walker.	424	9.06	35.94	34.37
		Average, .....	.....	9.59	35.79	.....
10060	..... The Metzgar Seed & Oil Co., Toledo, Ohio.	Shippensburg, Allison & Fegelsonger.	1160	8.68	35.88	30-36
9179	..... The Metzgar Seed & Oil Co., Toledo, Ohio.	Bradford, L. A. Fischer & Co.	279	9.10	32.12	30-36
9511	..... The Metzgar Seed & Oil Co., Toledo, Ohio.	St. Marys, Hall, Kaul & Hyde Co.	611	9.52	35.06	30-36
		Average, .....	.....	9.20	34.36	.....
9902	..... The Sherwin-Williams Co., Cleveland, Ohio.	Kane, Swanson Grocery Co.	1002	10.14	34.50	33-36
9313	Oil Meal as Stock Food, Thompson & Company, Pittsburgh, Pa.	Pittsburgh, S. B. Floyd & Son.	413	9.15	35.19	30.-37.5
9215	Oil Meal as Stock Food, Thompson & Company, Pittsburgh, Pa.	Kittanning, J. A. Gault & Co.	315	9.30	33.94	30.-37.5
9150	Oil Meal as Stock Food, Thompson & Company, Pittsburgh, Pa.	Latrobe, H. & L. Golde,..	250	9.76	34.38	30.-37.5
9998	Oil Meal as Stock Food, Thompson & Company, Pittsburgh, Pa.	Jeannette, Keystone Supply Co.	1098	9.53	34.38	30.-37.5
10017	Oil Meal as Stock Food, Thompson & Company, Pittsburgh, Pa.	Braddock, Irwin Muir,....	1117	9.75	32.13	30.-37.5
		Average, .....	.....	9.49	34.00	.....
9000	Major Brand, The Toledo Seed & Oil Co., Toledo, Ohio.	Mapleton, H. O. Andrews,	100	9.89	32.81	30-36

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2.60	Flaxseed product,	As certified.	9639
8.00	6.00	8.35	11.00				
7.06	6.00	8.13	11.00	1.70	Flaxseed product,	As certified.	8961
7.17	.....	8.87	...	37.30			
7.54	6.00	7.41	10.00	34.00		Linseed oil meal,	8903
7.12	6.00	7.96	10.00	1.75		Linseed oil meal,	9606
6.96	6.00	7.95	10.00	34.00		Linseed oil meal,	9071
7.52	6.00	7.82	10.00	1.90		Linseed oil meal,	9026
7.14	6.00	8.14	10.00	1.85		Linseed oil meal,	9427
7.26	.....	7.85	.....	35.60			
6.78	6-7	8.05	5-10	2.00		Linseed oil meal,	9251
6.79	6-7	7.47	5-10	1.85		Linseed oil meal,	9413
7.24	6-7	8.07	5-10	37.00		Linsed oil meal,	10130
7.18	6-7	7.93	5-10	1.90		Linseed oil meal,	9433
6.38	6-7	8.40	5-10	1.85		Linsed oil meal,	10036
8.06	6-7	8.25	5-10	1.80		Linseed oil meal,	9087
6.80	6-7	8.05	5-10	2.00		Linseed oil meal,	10077
7.35	6-7	8.13	5-10	1.90		Linseed oil meal,	9324
7.08	.....	8.04	.....	37.88			
6.99	5-7	9.03	2-10	35.00		Linseed oil meal and small amount of screenings.	10060
6.58	5-7	9.32	2-10	1.75		Linseed oil meal,	9179
6.25	5-7	8.56	2-10	2.50		Linseed oil meal,	9511
6.61	.....	8.97	.....	40.00			
7.55	6-7	8.46	8.00	1.90		Linseed oil meal,	9902
7.23	5.5 -8.5	8.66	6-11	34.00		Linseed oil meal,	9313
6.53	5.5 -8.5	8.43	6-11	37.00		Linseed oil meal,	9215
6.30	5.5 -8.5	8.20	6-11	2.25		Linseed oil meal,	9150
6.36	5.5 -8.5	9.80	6-11	2.25		Linseed oil meal,	9998
6.68	5.5 -8.5	9.22	6-11	2.10		Linseed oil meal,	10017
6.62	.....	8.86	.....	40.60			
6.69	5-7	8.92	2-10	35.00		Linseed oil meal,	9000

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9111	Major Brand, The Toledo Seed & Oil Co., Toledo, Ohio.	Windber, Claude Davis, ..	211	9.27	32.75	30-36
9588	Major Brand, The Toledo Seed & Oil Co., Toledo, Ohio.	Coudersport, Eulalia Mills,	688	10.16	33.25	30.00
9361	Major Brand, The Toledo Seed & Oil Co., Toledo, Ohio.	Punxsutawney, Jefferson Flour & Feed Co.	461	9.43	32.31	30-36
9632	Major Brand, The Toledo Seed & Oil Co., Toledo, Ohio.	Mifflin, W. H. Manbeck & Son.	732	8.38	31.56	30-36
		Average,		9.42	32.54	.....
		Total average,		9.39	34.46	.....
	DISTILLERY AND BREWERY BY-PRODUCTS.					
	Distillers' Grains. (Largely from Corn).					
10062	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Shippensburg, Allison & Fogelsonger.	1162	6.16	31.88	30.00
9193	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Smethport, F. A. Greene,	293	4.80	32.56	30.00
9934	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Parkesburg, E. H. Keen & Co.	1031	6.85	31.06	30.00
10054	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Carlisle, Paxton Flour & Feed Co.	1154	6.42	31.81	30.00
9592	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Westfield, H. Z. Pride & Son.	692	6.86	28.19	30.00
9182	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Bradford, Smith Brothers,	282	6.02	33.56	30.00
8912	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	York, Strayer Brothers Co.	12	5.55	29.69	30.00
9740	Ajax Flakes, Ajax Milling & Feed Co., New York, N. Y.	Butler, George Walter & Sons.	840	6.35	33.19	30.00
		Average,		6.12	32.49	.....
9177	Corn Three D, The Dewey Bros. Co., Blanchester, Ohio.	Bradford, L. A. Fischer & Co.	277	6.38	27.19	.....
9190	Corn Three D, The Dewey Bros. Co., Blanchester, Ohio.	Smethport, Herzog Milling Co.	290	14.61	25.09	26-33
9930	Corn Three D, The Dewey Bros. Co., Blanchester, Ohio.	Coatesville, J. C. Valentine.	1030	6.72	30.31	26-33
		Average,		9.23	27.53	.....
9594	Eagle Three D, The Dewey Bros. Co., Blanchester, Ohio.	Westfield, F. A. Ackley,..	694	9.23	31.94	30-38
9758	Eagle Three D, The Dewey Bros. Co., Blanchester, Ohio.	Meshoppen, Sterling & Sherwood.	898	6.04	30.31	30-33
		Average,		7.63	31.13	.....
10126	Hector, The Hottelet Co., Milwaukee, Wis.	Erie, Erie Mfg. & Supply Co.	1226	8.37	32.56	30-33
8957	Hector, The Hottelet Co., Milwaukee, Wis.	Lancaster, John W. Eshelman.	57	5.61	33.00	30-33
9936	Hector, The Hottelet Co., Milwaukee, Wis.	Parkesburg, E. H. Keen & Co.	1036	7.03	33.94	30-33
10119	Hector, The Hottelet Co., Milwaukee, Wis.	Eric, Nickel Plate Flour Mills,	1219	8.48	32.88	30-33
9491	Hector H. offelet & Co., Milwaukee, Wis.	Pottstown, S. B. Wagner & Co.	591	7.01	31.94	30-33
9943	Hector, H. offelet & Co., Milwaukee, Wis.	Gan, Jos. C. Walker & Sons Co.	1043	6.61	30.44	30-33
		Average,		7.18	32.46	.....
9175	Empire, Purdy Brothers, Jamestown, N. Y.	Bradford, L. A. Fischer & Co.	275	6.90	30.94	30-33
9025	Fourex, The Ubiko Milling Co., Cincinnati, Ohio.	Palmyra, J. H. Kettering & Son.	125	5.15	27.94	31.00
		Total average,		7.00	31.35	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et.	Per et.	Per et.	Per et.	\$1.85	.....	Linseed oil meal,	9111
6.49	5-7	9.41	2-10				
6.35	5.60	9.35	10.00	1.85	.....	Linseed oil meal,	9588
6.74	5-7	9.06	2-10	1.85	.....	Linseed oil meal,	9361
6.98	5-7	10.00	2-10	1.80	.....	Linseed oil meal,	9632
6.65	.....	9.35	.....	36.40			7
6.89	.....	8.57	.....	37.37			
12.13	11.00	12.85	14.00	35.00	Corn distillers grains,..	As certified,	10062
12.33	11.00	9.80	14.00	1.70	Corn distillers grains,..	As certified,	9193
10.94	11.00	9.75	14.00	34.00	Corn distillers grains,..	As certified,	9934
12.02	11.00	11.31	14.00	2.15	.....	Distillers grains (largely from corn).	10054
11.14	11.00	11.51	14.00	1.75	Corn distillers grains,..	As certified,	9592
13.80	11.00	9.95	14.00	34.00	Corn distillers grains,..	As certified,	9182
12.97	11.00	11.37	14.00	37.00	Corn distillers grains,..	As certified,	8912
12.24	11.00	10.58	14.00	1.75	.....	Distillers grains (largely from corn).	9740
12.20	.....	10.89	.....	35.88			
13.14	.....	10.25	.....	1.75	.....	Distillers grains (largely from corn).	9177
8.92	9-14	8.07	8-13	1.70	Corn distillers dried grains.	As certified,	9190
11.25	9-12	14.21	8-13	35.00	Corn distillers dried grains.	As certified,	9930
11.10	.....	10.84	.....	34.67			
14.70	10-15	11.29	8-13	1.75	Dewey's distillers dried grains.	Distillers grains (largely from corn).	9594
13.40	10-15	11.26	8-13	1.75	Dewey's distillers dried grains.	Distillers grains (largely from corn).	9798
14.05	.....	11.27	.....	1.75	-		
12.80	10-12	12.17	14.00	33.00	.....	Distillers grains (largely from corn).	10126
12.98	10-12	11.17	14.00	35.00	.....	Distillers grains (largely from corn).	8957
12.50	10-12	11.94	14.00	31.00	.....	Distillers grains (largely from corn).	9936
12.42	10-12	12.76	14.00	35.00	.....	Distillers grains (largely from corn).	10119
13.47	10-12	12.66	14.00	33.00	.....	Distillers grains (largely from corn).	9491
9.10	10-12	12.03	14.00	31.00	.....	Distillers grains (largely from corn).	9943
12.21	.....	12.12	.....	34.00			
11.78	9-12	10.62	9-12	1.75	.....	Distillers grains (largely from corn).	9175
15.65	12.00	12.92	13.00	35.00	.....	Distillers grains (largely from corn).	9025
12.37	.....	11.35	.....	35.00			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
	Distillers' Dried Grains. (Largely from Rye).					
9493	XX, Hottelet & Co., Milwaukee, Wis.	Pottstown, S. B. Wagner & Co.	593	Per ct. 5.62	Per et. 17.94	Per et. 18.00
9065	..... Neversink Distilling Co., Lorane, Pa.	Kutztown, W. W. Feick Co.	165	6.27	20.56	17.30
10073	Crown Brand, William H. Stellmann, Baltimore, Md.	Chambersburg, Diehl, Om-wake & Diehl.	1173	5.91	16.75	18.06
9839	Crown Brand, William H. Stellmann, Baltimore, Md.	Mechanicsburg, A. B. Harnish.	939	7.25	15.50	16.25
10051	Crown Brand, William H. Stellmann, Baltimore, Md.	Carlisle, S. B. Jackson, ..	1151	6.63	15.69	16.25
		Average, .....	.....	6.59	15.98	.....
	Dried Grains. (From other cereals).			Total average,	6.33	17.29
10098	..... M. F. Baringer, Philadelphia, Pa.	Manheim, Benjamin R. Hollinger.	1198	4.95	21.06	18-23
10114	Bartlett's Malt Sugar Grains Dairy Feed, J. E. Bartlett Co., Jackson, Mich.	Linesville, Farmers' Protective Ass'n.	1214	8.10	21.44	20-30
9836	Continental Gluten Feed, Continental Cereal Co., Peoria, Ill.	Mechanicsburg, A. B. Harnish.	936	8.51	28.06	29-34
10171	Middlesex Malt Grains, C. W. Wagar & Co., Philadelphia, Pa.	Norristown, Simpson Bros.,	1271	7.45	20.63	17.50 -19.00
	Brewer's Dried Grains.			Average,	7.25	22.80
9585	Steam Dried, Anheuser-Busch, Brewing Ass'n., St. Louis, Mo.	Coudersport, Eulalia Mills,	685	9.55	25.31	21-27
10015	..... Anheuser-Busch Brewing Ass'n., St. Louis, Mo.	Braddock, Irwin Muir, ..	1115	7.27	28.38	22-28
9971	Steam Dried, Anheuser-Busch Brewing Ass'n., St. Louis, Mo.	Media, C. Frank Williamson.	1071	7.44	25.75	23-28
		Average, .....	.....	8.08	26.48	.....
9990	..... Atlantic Export Company of Wisconsin, Chicago, Ill.	Paoli, Edward F. Bracken,	1090	7.62	30.06	25.00
9689	M. F. B., M. F. Baringer, Philadelphia, Pa.	Honesdale, W. B. Holmes,	789	9.10	27.00	25.00
10090	M. F. B., M. F. Baringer, Philadelphia, Pa.	Manheim, Frank K. Nau-man.	1190	7.57	26.69	25.00
		Average, .....	.....	8.33	26.85	.....
9544	..... Elk Brewing Co., Kittanning, Pa.	Apollo, L. Todd Owens, .	644	6.96	23.56	25.00
9387	Bull Brand, Farmers' Feed Company, New York, N. Y.	Sunbury, Blank & Gottshall.	487	5.97	28.56	27.20
9667	Bull Brand, Farmers' Feed Company, New York, N. Y.	East Stroudsburg, J. M. Wyckoff.	767	7.83	30.38	27.20 -28.94
		Average, .....	.....	6.90	29.47	.....
9966	Holstein, Hottelet & Co., Milwaukee, Wis.	West Chester, C. C. Hippie.	1066	8.13	29.19	25-27
10099	Holstein, Hottelet & Co., Milwaukee, Wis.	Manheim, Benjamin R. Hollinger.	1199	7.90	25.13	25.00
		Average, .....	.....	8.01	27.16	.....
9970	..... Independent Brewing Company of Pittsburg, Latrobe, Pa.	Downington, A. S. Hively	1070	7.94	27.06	19.37

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Micro- scopical Examina- tion.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$23.00	.....	Distillers grains (largely from rye).	9493
7.53	6.09	12.50	14.00	25.00	.....	Distillers grains (largely from rye).	9065
8.08	7.50	13.14	12.67	24.00	.....	Distillers grains (largely from rye).	10073
7.74	8.13	14.97	12.48	22.50	Distillers dried grains, (largely from rye).	As certified,	9839
7.33	11.39	13.29	12.96	1.20	.....	Distillers grains (largely from rye).	10051
8.13	11.39	13.83	12.98	23.50	.....	.....	.....
7.73	.....	14.03	.....	23.70	.....	.....	.....
7.76	.....	13.74	.....	.....	.....	.....	.....
7.35	5.5-7	16.18	25.00	25.00	.....	Dried grains from corn, rye, barley and malt sprouts.	10098
10.92	6-12	14.31	10-15	1.50	.....	Dried grains from corn, barley and malt sprouts.	10114
7.57	12.5-14.5	6.66	8.5-10.5	33.00	A distillery by-product manufactured from corn, oats, rye, and barley.	As certified,	9836
7.85	6.5-7	17.65	16-20	26.00	Corn, barley, malt and malt sprouts.	Dried grains from corn, barley and malt sprouts.	10171
8.42	.....	13.70	.....	23.50	.....	.....	.....
7.24	6-8	15.48	15-18	1.65	.....	Brewers' dried grains,..	9585
7.05	6-8	14.71	13-18	27.00	.....	Brewers' dried grains,..	10015
7.07	7-8	17.40	15-17	28.00	.....	Brewers' dried grains and trace of weed seeds.	9971
7.12	.....	15.86	.....	29.33	.....	.....	.....
7.23	5.00	12.84	16.00	30.00	.....	Brewers' dried grains,..	9990
7.40	6.00	13.11	15.00	1.40	.....	Brewers' dried grains,..	9689
7.14	5.00	15.50	15.00	27.00	.....	Brewers' dried grains,..	10090
7.27	.....	14.30	.....	27.50	.....	.....	.....
6.26	6.00	16.03	15.00	1.30	.....	Brewers' dried grains,..	9544
6.97	6.30	12.40	16.17	28.00	.....	Brewers' dried grains,..	9387
7.48	6.30	12.70	16.17	28.00	.....	Brewers' dried grains,..	9667
7.23	.....	12.55	.....	28.00	.....	.....	.....
7.03	5-7	12.62	14.00	27.00	.....	Brewers' dried grains,..	9966
6.89	5.00	15.17	14.00	27.00	.....	Brewers' dried grains,..	10099
6.96	.....	13.89	.....	27.00	.....	.....	.....
8.04	8.19	13.98	18.82	27.00	.....	Brewers' dried grains,..	9970

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9103	..... The Johnstown Dry Grains Co., Johnstown, Pa.	Johnstown, G. Bostert & Son.	203	Per cent. 6.44	Per cent. 27.13	Per cent. 24.00
9533	Peerless Pure, M. A. Joshel, Geneva, Ills.	Lewisburg, Buffalo Flour Mfg. Co.	633	7.18	28.19	26.00
9676	Peerless Pure, M. A. Joshel, Geneva, Ills.	Montrose, Harrington & Average,	776	8.03	31.06	25.00
	.			7.60	29.63	.....
9961	Crown, Milwaukee Grains & Feed Co., Milwaukee, Wis.	West Grove, L. P. & R. W. Good.	1061	7.32	30.44	25.00
9842	Crown, Milwaukee Grains & Feed Co., Milwaukee, Wis.	Mechanicsburg, A. B. Harnish.	943	7.17	30.00	25.00
9933	Crown, Milwaukee Grains & Feed Co., Milwaukee, Wis.	Parkesburg, E. H. Keen & Co.	1033	6.93	29.00	25.00
9947	Crown, Milwaukee Grains & Feed Co., Milwaukee, Wis.	Christiana, B. Frank Walter.	1047	7.61	31.88	25.00
	.	Average,		7.25	30.33	.....
9987	Goldness Kalb, K. & E. Neumann, St. Louis, Mo.	Paoli, Edward F. Bracken.	1087	8.47	29.88	24.00
9780	Goldness Kalb, K. & E. Neumann, St. Louis, Mo.	Towanda, F. H. Hagerman.	880	7.48	26.94	24.00
10176	Goldness Kolb, K. & E. Neumann, St. Louis, Mo.	Norristown, Simpson Bros., Average,	1276	6.57	35.50	24.00
	.			7.50	30.77	.....
9525	..... The Penna. Central Brewing Co., Scranton, Pa.	Milton, C. H. McMahon, ..	625	7.50	26.94	23.71
9980	Peerless, Penn Grains & Feed Co., Philadelphia, Pa.	Media, M. C. Michener, ..	1080	6.65	26.25	26.00
9983	Peerless, Penn Grains & Feed Co., Philadelphia, Pa.	Philadelphia, Penn Grains & Feed Co.	1083	8.03	28.94	26.00
	.	Average,		7.34	27.60	.....
9546	..... Pittsburgh Brewing Co., Pittsburgh, Pa.	Wilkinsburg, Johnson & Smith.	646	6.27	31.00	24-27
10107	Eagle A, Ralston Purina Co., St. Louis, Mo.	Linesville, Linesville Mfg. Co.	1207	7.05	32.81	21-27
9969	Eagle A, Ralston Purina Co., St. Louis, Mo.	Downingtown, Charles W. Walker.	1069	6.63	33.44	21-27
	.	Average,		6.84	33.13	.....
9981	Durham, M. G. Rankin & Co., Milwaukee, Wis.	Media, M. C. Michener, ..	1031	7.33	29.13	26.00
9655	..... E. Robinson Sons Co., Scranton, Pa.	Scranton, Miner-Hillard Mfg. Co.	755	8.71	26.06	25.71
10187	Pilsner, Rosekrans-Snyder Co., Philadelphia, Pa.	Ambler, J. Watson Craft.	1287	8.07	31.88	25.00
9949	Schlitz Purity, Schlitz Brewing Co., Milwaukee, Wis.	West Chester, Isaac H. Bailey.	1049	7.66	30.00	24.00
9925	Schlitz Purity, Schlitz Brewing Co., Milwaukee, Wis.	Coatesville, Handwork Brothers.	1025	7.36	32.94	24.00
10179	Schlitz Purity, Schlitz Brewing Co., Milwaukee, Wis.	Edge Hill, James E. McCaughey.	1279	7.52	31.81	24.00
	.	Average,		7.51	31.58	.....
9831	..... Stegmaier Brewing Co., Wilkes-Barre, Pa.	Nanticoke, Bergin & Co.,	831	8.50	28.44	23.70
9801	..... Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	901	13.62	26.56	23.70
9705	..... Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Mfg. Co.	805	9.40	28.44	23.70
9816	..... Stegmaier Brewing Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	916	9.47	29.44	23.70
9821	..... Stegmaier Brewing Co., Wilkes-Barre, Pa.	Luzerne, Schooley & Son,	921	9.89	26.13	23.70
	.	Average,		10.17	27.80	.....
9121	..... Swope Brothers, Johnstown, Pa.	Johnstown, Swope Bros.,	221	4.77	27.50	23.38

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$28 00	.....	Brewers' dried grains,..	9103
7.45	6.71	13.41	15.66	.....	.....	Brewers' dried grains,..	9533
6.95	6.00	13.34	15.00	27 00	.....	Brewers' dried grains,..	9676
7.08	6.00	11.95	15.00	1 40	.....	Brewers' dried grains,..	9961
7.02	.....	12.64	.....	27 50	.....	Brewers' dried grains,..	9842
7.01	5.00	13.19	15.00	28.00	.....	Brewers' dried grains,..	9933
6.85	5.00	12.90	15.00	1 45	.....	Brewers' dried grains,..	9947
6.67	5.00	14.41	15.00	27 00	.....	Brewers' dried grains,..	9987
7.09	5.00	13.04	15.00	28 00	.....	Brewers' dried grains,..	9780
6.91	.....	13.38	.....	28.00	.....	Brewers' dried grains,..	10176
6.47	6.00	13.25	13.00	30 00	.....	Brewers' dried grains,..	9525
6.53	6.00	13.80	13.00	27 00	.....	Brewers' dried grains,..	9980
6.81	6.00	11.94	13.00	23 00	.....	Brewers' dried grains,..	993
6.60	.....	12.99	.....	28 33	.....	Brewers' dried grains,..	9546
7.10	7.14	12.25	17.00	1 45	.....	Brewers' dried grains,..	10107
6.11	6.00	15.61	19.00	28 00	.....	Brewers' dried grains,..	9960
6.94	6.00	13.96	12.00	25 00	.....	Brewers' dried grains,..	9981
6.53	.....	14.78	.....	28.00	.....	Brewers' dried grains,..	9655
7.20	5.50 -7.50	14.20	17.59	1 50	.....	Brewers' dried grains,..	10187
6.35	6-8	13.30	15-18	1 25	Brewers' dried grains from barley.	As certified,	9831
6.61	6-8	11.59	15-18	29 00	Brewers' dried grains from barley.	As certified,	9801
6.48	.....	12.44	.....	27.00	.....	Brewers' dried grains,..	9949
6.84	6.00	8.57	16.00	28 00	.....	Brewers' dried grains,..	9925
7.35	7.14	13.37	.....	1 25	.....	Brewers' dried grains,..	10170
6.93	5.00	11.68	18.00	30 00	.....	Brewers' dried grains,..	9821
6.34	6.00	14.28	16.00	28.00	.....	Brewers' dried grains,..	9706
6.37	6.00	12.37	18.00	28 00	.....	Brewers' dried grains,..	9816
6.53	6.00	13.34	18.00	1 45	.....	Brewers' dried grains,..	9821
6.41	.....	13.33	.....	28 33	.....	Brewers' dried grains,..	9706
7.47	6.30	13.23	16.25	1 35	.....	Brewers' dried grains,..	9831
6.86	6.30	12.96	16.25	1 30	.....	Brewers' dried grains,..	9801
8.05	6.30	12.66	16.25	1 30	.....	Brewers' dried grains,..	9821
7.83	6.30	12.65	16.25	1 30	.....	Brewers' dried grains,..	9816
7.09	6.30	13.44	16.25	1.30	.....	Brewers' dried grains,..	9821
7.46	.....	12.98	.....	1 31	.....	Brewers' dried grains,..	9121
7.43	7.16	15.24	14.92	25 00	.....	Brewers' dried grains,..	.....

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10166	Arnold H. Thurnau Grains & Feed Co., St. Louis, Mo.	Conshohocken, Henderson, Suppée & Co.	1266	5.35	Per ct. 30.00	Per ct. 25-27
9995	The Victor Brewing Co., Jeannette, Pa.	Jeannette, Keystone Supply Co.	1095	5.68	29.25	22.00
10102	Western Grains & Feed Co., Chicago, Ill.	Weisboro, Equity Co-Operative Exchange.	1202	7.15	28.88	25.00
10144	Western Grains & Feed Co., Chicago, Ill.	Doylesboro, J. W. Stilwagon & Son.	1244	7.31	25.75	25.00
9944	Western Grains & Feed Co., Chicago, Ill.	Christiana, B. Frank Walter.	1041	7.86	28.38	25.00
		Average, .....	.....	7.44	27.67	.....
		Total average, .....	.....	7.65	28.82	.....
10120	American Malting Co., Buffalo, N. Y.	Erie, Nickel Plate Flour Mills.	1220	4.00	29.25	20-25
10135	American Malting Co., Buffalo, N. Y.	Wesleyville, W. D. Ripley,	1235	5.75	26.38	24.15
		Average, .....	.....	4.87	27.82	.....
9060	Atlantic Export Co., of Wisconsin, Chicago, Ill.	Reading, Aug. C. Wertz & Bro.	160	6.90	26.56	22-25
9273	M. F. Baringer, Philadelphia, Pa.	Muncy, City Flouring Mills.	373	7.61	25.06	25.00
10127	John Kam Malting Co., Buffalo, N. Y.	Erie, Erie Mfg. & Supply Co.	1227	4.31	29.06	25.00
9827	Henry C. Moffat, Buffalo, N. Y.	Luzerne, Luzerne Mfg. Co.,	927	9.67	25.00	25.00
9982	Penn Grains & Feed Co., Philadelphia, Pa.	Media, M. C. Michener, ..	1082	8.86	30.63	28.76
9984	Penn Grains & Feed Co., Philadelphia, Pa.	Philadelphia, The Penn Grains & Feed Co.	1084	8.58	31.56	28.76
		Average, .....	.....	8.72	31.10	.....
10101	Perot Malting Co., Buffalo, N. Y.	Wellsboro, Equity Co-Operative Exchange.	1201	5.51	28.75	22.00
9526	Albert Schwill & Co., Buffalo, N. Y.	Milton, C. H. McMahon, ..	626	7.16	28.00	23.70
		Total average, .....	.....	6.83	28.03	.....
	MAIZE BY-PRODUCTS.					
	Corn Gluten Feed.					
9037	Cream of Corn, American Maize Products Co., Roby, Ind.	Palmyra, Early & Detweiler.	137	8.92	27.50	23-25
9603	Cream of Corn, American Maize Products Co., Roby, Ind.	Wellsboro, Equity Co-Operative Exchange.	703	9.62	25.38	23-25
9832	Cream of Corn, American Maize Products Co., Roby, Ind.	Nanticoke, Bergin & Co.,	932	9.40	25.81	23-25
9926	Cream of Corn, American Maize Products Co., Roby, Ind.	Coatesville, Handwork Brothers.	1026	8.35	26.25	23-25
9041	Cream of Corn, American Maize Products Co., Roby, Ind.	Myerstown, S. T. Yost, ..	141	6.70	25.00	23-25
		Average, .....	.....	8.59	25.99	.....
9732	Buffalo, Corn Products Refining Co., New York, N. Y.	Lewisburg, Buffalo Flour Mfg. Co.	632	7.18	27.13	23.00
10009	Buffalo, Corn Products Refining Co., New York, N. Y.	Canonsburg, Canonsburg Mfg. Co.	1100	9.28	27.19	23.00
9612	Buffalo, Corn Products Refining Co., New York, N. Y.	Troy, Farmers' and Consumers' Commercial Union.	712	9.53	27.13	23.00
9614	Buffalo, Corn Products Refining Co., New York, N. Y.	Troy, Farmers' and Consumers' Commercial Union.	714	8.97	26.75	23.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 7.84	Per et. 5-7	Per ct. 14.34	Per ct. 13.00	\$28.50	.....	Brewers' dried grains, ...	10166
7.03	5.50	15.43	14.75	1.90	.....	Brewers' dried grains, ...	9995
7.33	5.00	14.25	16.00	1.50	.....	Brewers' dried grains, ...	10102
6.05	5.00	13.88	16.00	1.45	.....	Brewers' dried grains, ...	10144
7.03	5.00	12.76	16.00	28.00	.....	Brewers' dried grains, ...	9944
6.80	.....	13.63	.....	29.00	.....	.....	.....
7.01	.....	13.52	.....	28.06	.....	.....	.....
1.53	1-3	12.93	5-30	26.00	.....	Malt sprouts,	10120
1.64	1.82	13.72	14.35	1.30	.....	Malt sprouts,	10135
1.59	.....	13.32	.....	26.00	.....	.....	.....
2.02	1-2	13.00	12.16	26.00	.....	Malt sprouts,	9060
2.30	1.60	12.80	13.00	28.00	.....	Malt sprouts and small amount of weed seeds and fine divided coal.	9273
1.64	0.75-1.50	15.77	16.00	28.00	.....	Malt sprouts and small amount of weed seeds.	10127
1.72	1.60	11.46	12.00	1.30	.....	Malt sprouts,	9827
2.20	1.53	12.07	12.06	28.00	.....	Malt sprouts and large amount of weed seeds.	9982
1.60	1.53	13.02	12.06	25.00	.....	Malt sprouts and small amount of barley hulls.	9984
1.90	.....	12.54	.....	26.50	.....	.....	.....
1.37	0.50	13.30	18.00	1.40	.....	Malt sprouts,	10101
1.54	1.00	12.77	14.00	1.40	.....	Malt sprouts,	9526
1.76	.....	13.08	.....	26.90	.....	.....	.....
2.74	2.50	6.15	8.50	1.50	.....	Corn gluten feed,	9067
2.61	2.50	6.18	8.50	1.70	.....	Corn gluten feed,	9603
2.90	2.50	6.00	8.50	1.80	.....	Corn gluten feed,	9832
2.01	2.50	6.92	8.50	30.00	.....	Corn gluten feed,	9926
3.27	2.50	6.77	8.50	1.60	.....	Corn gluten feed,	9041
2.71	.....	6.40	.....	32.40	.....	.....	.....
3.09	2.00	8.02	8.50	33.00	Made from corn,	As certified,	9532
1.84	1.00	8.54	8.50	29.00	Corn gluten feed,	As certified,	10009
2.68	1.00	7.08	8.50	29.00	Corn gluten feed,	As certified,	9612
2.94	1.00	4.12	8.50	22.00	Corn gluten feed,	As certified,	9614

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Proteiu.	
					Found.	Guaranteed.
9874	Buffalo, Corn Products Refining Co., New York, N. Y.	New Castle, Fisher & Mongle.	974	Per ct. 9.01	Per ct. 27.13	Per ct. 23.00
9542	Buffalo, Corn Products Refining Co., New York, N. Y.	Mifflinburg, R. Foster & Son.	641	8.81	24.13	23.00
9216	Buffalo, Corn Products Refining Co., New York, N. Y.	Kittanning, Wm. Gates, Estate.	316	8.47	28.88	23.00
10199	Buffalo, Corn Products Refining Co., New York, N. Y.	Homer City, Thomas K. George.	1299	8.61	30.69	23.00
9192	Buffalo, Corn Products Refining Co., New York, N. Y.	Smethport, Herzog Mfg. Co.	292	8.92	29.38	23.25
9685	Buffalo, Corn Products Refining Co., New York, N. Y.	Honesdale, Honesdale Mfg. Co.	785	9.31	29.13	23.00
8928	Buffalo, Corn Products Refining Co., New York, N. Y.	Hanover, George Hull & Sons.	28	7.83	28.00	23.00
9038	Buffalo, Corn Products Refining Co., New York, N. Y.	Cleona, J. H. Long,	138	9.19	26.13	23.00
9634	Buffalo, Corn Products Refining Co., New York, N. Y.	Mifflin, W. H. Manbeck & Son.	734	7.92	28.25	23.00
10092	Buffalo, Corn Products Refining Co., New York, N. Y.	Manheim, Frank K. Nau- man.	1192	7.72	27.38	23.00
9386	Buffalo, Corn Products Refining Co., New York, N. Y.	Sharon, J. M. Porter,	986	8.83	27.50	23.00
10138	Buffalo, Corn Products Refining Co., New York, N. Y.	Wesleyville, W. D. Rip- ley.	1238	9.69	29.00	23.00
9504	Buffalo, Corn Products Refining Co., New York, N. Y.	St. Marys, L. Ritter,	604	8.78	29.44	23.00
9745	Buffalo, Corn Products Refining Co., New York, N. Y.	Butler, B. F. Shannon & Co.	845	7.55	26.50	23.00
8960	Buffalo, Corn Products Refining Co., New York, N. Y.	Lancaster, Shreiner & Son.	60	10.22	27.25	23.00
9722	Buffalo, Corn Products Refining Co., New York, N. Y.	Houston, W. M. Templeton & Sons.	822	8.98	29.03	23.00
9051	Buffalo, Corn Products Refining Co., New York, N. Y.	Avon, C. Z. Weiss,	151	7.66	27.69	23.00
9922	Buffalo, Corn Products Refining Co., New York, N. Y.	Youngsville, Youngsville Mfg. Co.	1022	9.63	28.31	23.00
		Average,		8.73	27.85	.....
9993	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Paoli, Edward F. Bracken.	1093	8.41	28.31	23.00
10002	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Canonsburg, W. H. Dunlap Jr.	1102	8.37	27.63	23.00
9679	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Montrose, Harrington & Wilson.	779	8.69	27.56	23.00
9023	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Palmyra, J. H. Kettering & Son.	123	9.63	24.50	20.00
9438	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Allentown, George B. Shelly Estate.	538	8.56	27.06	23.00
10177	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	Norristown, Simpson Brothers.	1277	8.80	26.00	23.00
9669	Clinton, Clinton Sugar Refining Co., Clinton, Iowa.	East Stroudsburg, J. M. Wyckoff.	769	8.82	27.00	23.00
		Average,		8.76	26.87	.....
9935	Douglas, Douglas & Co., Cedar Rapids, Iowa.	Parkesburg, E. H. Keen & Co.	1035	8.46	22.25	20.25
10108	Douglas, Douglas & Co., Cedar Rapids, Iowa.	Linesville, Linesville Mfg. Co.	1208	9.60	23.38	23.25
9184	Douglas, Douglas & Co., Cedar Rapids, Iowa.	Bradford, Smith Brothers,	284	10.81	22.38	20.25
9916	Douglas, Douglas & Co., Cedar Rapids, Iowa.	Warren, Warren City Mills.	1016	10.24	23.00	23.25
		Average,		9.77	32.53	.....
10186	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Ambler, J. Watson Craft,	1236	9.85	26.00	23.00
9084	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Womelsdorf, W. Theo Miller.	184	9.91	25.81	23.50
		Average,		9.88	25.91	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.10	2.00	6.96	8.50	\$1 75	Made from corn,	As certified,	9874
5.08	2.00	6.80	8.50	32 00	Made from corn,	As certified,	9542
2.90	2.00	6.61	8.50	1 65	Made from corn,	As certified,	9216
2.26	1.00	6.71	8.50	32 00	Corn gluten feed,	As certified,	10199
2.37	2.50	5.51	8.50	1 55	.....	Corn gluten feed,	9192
2.62	1.00	6.79	8.50	31 00	Corn gluten feed,	As certified,	9635
3.13	2.00	6.58	8.50	32 00	Made from corn,	As certified,	8928
2.44	2.00	7.04	8.50	32 00	Made from corn,	As certified,	9038
2.72	2.00	6.23	8.50	1 85	A product obtainable in the manufacture corn starch with bran.	Corn gluten feed,	9634
2.68	1.00	7.37	8.50	32 00	Corn gluten feed,	As certified,	10092
2.83	1.00	7.18	8.50	1 65	Coru gluten feed,	As certified,	9886
2.50	1.00	7.11	8.50	31 00	Corn gluten feed,	As certified,	10138
2.35	1.00	6.38	8.50	1 65	Corn gluten feed,	As certified,	9504
2.67	1.00	6.59	8.50	1 65	Corn gluten feed,	As certified,	9745
2.68	2.00	6.25	8.50	1 65	Made from corn,	As certified,	8960
2.14	1.00	6.23	8.50	32 00	Corn gluten feed,	As certified,	9722
2.64	2.00	6.84	8.50	1 60	Made from corn,	As certified,	9051
2.51	1.00	7.64	8.50	1 65	Corn gluten feed,	As certified,	9922
2.78	.....	6.75	.....	32 14			
3.88	3.00	7.84	8.00	32 00	.....	Corn gluten feed,	9993
3.85	3.00	7.29	8.00	29 00	.....	Corn gluten feed,	10002
3.11	3.00	7.45	8.00	1 60	.....	Corn gluten feed,	9679
4.14	3.00	7.35	8.00	32 00	.....	Coru gluten feed,	9023
2.90	3.00	7.97	8.00	1 65	.....	Corn gluten feed,	9438
2.90	3.00	7.08	8.00	32 00	.....	Corn gluten feed,	10177
4.45	3.00	7.19	8.00	33 00	.....	Corn gluten feed,	9669
3.60	.....	7.45	.....	31 86			
4.03	2.00	6.98	8.00	34 00	.....	Corn gluten feed,	9935
4.19	2.00	6.85	8.00	1 50	.....	Corn gluten feed,	10108
3.07	2.00	6.09	8.00	32 00	Corn starch by-product with corn bran.	As certified,	9184
3.40	2.00	7.00	8.00	1 60	.....	Corn gluten feed,	9916
3.67	.....	6.73	.....	32 00			
3.65	2.40	6.55	7.50	33 00	Coru starch by-product with corn bran.	As certified,	10183
3.77	2.40	6.22	7.50	1 65	Corn starch by-product with corn bran. and corn solubles.	As certified,	9084
3.71	.....	6.38	.....	33 00			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed
10145	Jenk's, Huron Milling Co., Harbor Beach, Mich.	Doylestown, Henry S. Beidler.	1245	9.59	Per ct. 25.00	Per ct. 22-25
9956	Keever, The Keever Starch Co., Columbus, Ohio.	West Grove, S. K. Chambers & Bro.	1056	8.31	18.56	22.00
9475	Keever, The Keever Starch Co., Columbns, Ohio.	Quakertown, Allen K. Smith.	575	9.85	20.19	22.00
		Average, .....	.....	9.08	19.38	.....
9072	P. Bro., Piel Bros. Starch Co., Indianapolis, Ind.	Fleetwood, Kanfman Schaeffer & Co.	172	9.45	21.75	21-23
9942	P. Bros., Piel Bros. Starch Co., Indianapolis, Ind.	Gap, Jos. C. Walker & Sons Co.	1042	7.78	26.06	22.50
		Average, .....	.....	8.61	23.91	.....
9885	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	New Castle, City Roller Mills.	985	7.64	26.69	23-25
9478	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	Quakertown, S. S. Detweiler.	578	6.92	24.63	23-25
9264	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	Williamsport, Gobl & King.	364	8.36	24.44	22-25
9285	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	Canton, Preston Brothers,	385	11.15	25.19	23-25
9492	Staley's, A. E. Staley Mfg. Co., Decatur, Ill.	Pottstown, S. B. Wagner & Co.	592	10.08	26.13	20-25
		Average, .....	.....	8.83	25.42	.....
9483	Union, Union Starch and Refining Co., Edinburg, Ind.	Quakertown, T. & J. Strawn.	583	7.80	26.50	23.00
9487	Clinton, C. W. Wagar & Co., Philadelphia, Pa.	Pottstown, A. K. Kulp, ..	587	7.96	26.06	20-23
		Total average, .....	.....	8.84	27.00	.....
	Corn Gluten Meal.					
10006	Diamond, Corn Products Refining Co., New York, N. Y.	Canonsbrg, Canonsbrg Mfg. Co.	1106	7.00	44.94	40.00
9299	Diamond, Corn Products Refining Co., New York, N. Y.	Pittsburgh, The I. W. Scott Co.	399	6.79	46.44	40.00
9719	Diamond, Corn Products Refining Co., New York, N. Y.	Houston, W. M. Templeton & Sons.	819	8.34	48.06	40.00
		Average, .....	.....	7.37	46.48	.....
	Hominy Feed.					
9032	Homeo, American Hominy Co., Indianapolis, Ind.	Palmyra, Early & Detweiler.	132	9.88	11.38	9.50
10116	Homeo, American Hominy Co., Indianapolis, Ind.	Linesville, Farmers' Protective Ass'n.	1216	9.65	11.44	9.50
9486	Homeo, American Hominy Co., Indianapolis, Ind.	Pottstown, A. K. Kulp, ..	586	9.12	11.44	9.50
8963	Homeo, American Hominy Co., Indianapolis, Ind.	Elizabethtown, Muth Brothers.	68	9.09	10.88	9.50
		Average, .....	.....	9.43	11.29	.....
10113	Pearl, E. I. Bailey, Cleveland, Ohio.	Linesville, Linesville Mfg. Co.	1213	9.56	10.88	9-11
9681	..... East Waverly Milling Co., Waverly, N. Y.	Montrose, Bertholf & Jenner.	781	10.31	10.69	9.00
9674	Pearl, Empire Grain and Elevator Co., Binghamton, N. Y.	Montrose, J. M. Jeffers & Co.	774	9.45	11.44	10.00
8905	Evans, Evans Milling Co., Indianapolis, Ind.	York, Anderson Brothers Co.	5	9.83	10.75	10.00
9994	Evans, Evans Milling Co., Indianapolis, Ind.	Paoli, Edward F. Bracken,	1094	9.50	12.88	10.00
		Average, .....	.....	9.66	11.82	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1 60	.....	Corn gluten feed,	10145
3.07	3.00	6.10	8.00				
5.17	4.50	6.63	7.00	32 00	Right to color with 1/10 of 1 per cent. of a coloring matter allowed by U. S. Department of Agriculture.	Corn gluten feed (not colored).	9956
3.73	8.00	5.82	6.00	1 50	Made from corn,	As certified,	9475
4.45	.....	6.22	.....	31 00			
3.41	2.00	6.00	8.00	1 55	Artificially colored occasionally with orange No. 122.	Corn gluten feed (not colored).	9072
3.20	2.50	8.75	9.00	28 00	.....	Corn gluten feed,	9942
3.31	.....	7.37	.....	29 50			
4.05	2.5-3	7.00	9-12	1 70	.....	Corn gluten feed,	9885
4.30	2.5-3	7.04	9-12	30 00	.....	Corn gluten feed,	9478
3.60	2.5-3	6.66	9-12	1 65	.....	Corn gluten feed,	9264
4.03	2.5-3	6.34	9-12	1 50	.....	Corn gluten feed,	9285
4.37	2.5-3	6.84	9-12	31 00	.....	Corn gluten feed,	9492
4.07	.....	6.77	.....	31 60			
4.68	3.00	6.20	8.00	1 50	.....	Corn gluten feed,	9483
4.60	2-3	7.73	8-10	1 50	.....	Corn gluten feed,	9487
3.27	.....	6.79	.....	31 87			
1.54	1.50	2.45	4.00	1 75	Corn gluten meal,	As certified,	10006
2.12	1.50	1.93	4.00	38 00	Made from shelled corn without corn bran.	Corn gluten meal,	9299
1.32	1.50	1.50	4.00	1 90	Corn gluten meal,	As certified,	9719
1.66	.....	1.96	.....	37 00			
7.68	7.00	4.27	7.00	1 50	A pure white corn product.	As certified,	9032
8.59	7.00	5.23	7.00	1 60	A pure white corn product.	As certified,	10116
8.18	7.00	4.74	7.00	1 60	A pure white corn product.	As certified,	9486
7.86	7.00	4.15	7.00	1 45	A pure white corn product.	As certified,	8968
8.08	.....	4.62	.....	1 54			
7.29	7-9	6.45	7-8	1 50	Pure corn product,	As certified,	10113
7.12	6.00	3.47	5.00	1 70	.....	Hominy feed,	9681
8.94	7.00	5.11	6.00	1 65	.....	Hominy feed,	9674
7.97	7.50	5.23	7.00	29 00	Made from white corn,	As certified,	8905
10.08	7.50	4.11	7.00	34 00	Made from white corn,	As certified,	9994
9.03	.....	4.67	.....	31 50			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9830	Pure Eagle, J. B. A. Kern & Son, Milwaukee, Wis.	Nanticoke, Bergin & Co.,	930	Per et. 8.41	Per et. 11.19	Per ct. 9.50
9782	Badger, Chas. A. Krause Mfg. Co., Milwaukee, Wis.	Towanda, F. H. Hagerman.	882	9.68	12.69	10.00
9027	Badger, Chas. A. Krause Mfg. Co., Milwaukee, Wis.	Palmyra, J. H. Kettering & Son.	127	9.90	11.25	10.00
8979	Badger, Chas. A. Krause Mfg. Co., Milwaukee, Wis.	Elizabethtown, Lehman & Wolgemuth.	79	8.82	12.06	10.00
9897	Badger, Chas. A. Krause Mfg. Co., Milwaukee, Wis.	Sharou, Frank Maley,	997	10.07	11.69	10.00
10096	Badger, Chas. A. Krause Mfg. Co., Milwaukee, Wis.	Manheim, Frank K. Nau- man.	1196	9.72	12.63	10.00
		Average,		9.63	12.06	.....
10146	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Doylestown, Henry S. Beidler.	1246	10.74	11.88	10-12
9481	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Quakertown, S. S. Det- weiler.	581	9.85	11.63	10-12
9702	Choice Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hil- lard Milling Co.	802	9.63	11.81	10-12
		Average,		10.07	11.77	.....
8981	..... Mystie Milling Co., Sioux City, Iowa.	Quarryville, The Lancaster County Farmers' Associa- tion.	81	9.25	10.31	11.00
9007	Yellow, The Pioneer Cereal Co., Akron, Ohio.	Altoona, H. H. Langdon, ..	107	12.82	9.69	10.00
9078	Yellow, The Pioneer Cereal Co., Akron, Ohio.	Womelsdorf, Wagner & Enrich.	178	12.70	9.00	10.00
		Average,		12.76	9.35	.....
10018	Wellow, The Quaker Oats Co., Chicago, Ill.	Braddock, Irwin Muir, ...	1118	10.85	10.50	9.00
9005	Yellow, The Quaker Oats Co., Chicago, Ill.	Altoona, R. F. Notley,	105	10.30	10.94	9.00
		Average,		10.57	10.72	.....
9787	Jersey, M. G. Rankin & Co., Milwaukee, Wis.	Towanda, Dayton Mfg. Co.	887	9.83	11.81	10.00
10100	Ideal, S. F. Scattergood & Co., Philadelphia, Pa.	Manheim, Benjamin R. Hollinger.	1200	9.36	11.94	.....
9097	..... Sparr Cereal Co, Marchfield, Wis.	Reading, Wertz Milling Co.	197	9.30	11.50	10.00
9042	Logan, The Standard Cereal Co., Chillicothe, Ohio.	Myerstown, S. T. Yost, ..	142	9.65	10.88	9.00
10087	Acme, Suffern-Hunt Mills, De- catur, Ill.	Lititz, Elmer Eby,	1187	9.25	11.19	9.3-11
9284	Acme, Suffern-Hunt Mills, De- catur, Ill.	Canton, Preston Brothers,	384	8.97	11.81	9.3-11
		Average,		9.11	11.50	.....
9941	Frumentum, U. S. Frumentum Co., Detroit, Mich.	Gap, Joseph C. Walker & Sons Co.	1041	9.30	11.38	9.50
9484	Pure, C. W. Wagar & Co., Philadelphia, Pa.	Quakertown, T. & J. Strawn.	584	9.02	11.06	9-11
9963	Hom, Walters Milling Co., Philadelphia, Pa.	West Chester, C. C. Hippie & Son.	1063	9.25	10.81	8-10
		Total average,		9.78	11.29	.....
	Corn Bran.					
10147	..... M. F. Baringer, Phila- delphia, Pa.	Doylestown, Henry S. Beidler.	1247	8.35	10.50	7.00
8958	..... John W. Eshelman, Lan- cester, Pa.	Lancaster, John W. Esh- leman.	58	11.31	10.44	7-9

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1 80	.....	Hominy feed,	9833
8.27	6.50	4.31	4.00				
6.99	6.00	4.60	5.00	33 00	Made from white corn,	As certified,	9782
6.72	6.00	6.03	5.00	30 00	Made from pure white corn.	As certified,	9027
7.69	6.00	5.49	5.00	29 00	Made from white corn,	As certified,	8979
7.31	6.00	5.32	5.00	1 75	Made from white corn,	As certified,	9897
7.58	6.00	6.44	5.00	32 00	Made from white corn,	As certified,	10096
7.26	.....	5.57	.....	31 80			
7.20	5-8	4.45	3-5	31 00	.....	Hominy feed,	10146
6.65	5-8	3.46	3-5	31 00	.....	Hominy feed,	9481
6.01	5-8	4.60	3-5	1 70	.....	Hominy feed,	9702
6.62	.....	4.17	.....	32 00			
6.00	7.00	4.87	4.00	30 00	.....	Hominy feed containing large proportion of corn bran.	8981
5.02	7.00	2.59	9.00	30 00	.....	Hominy feed,	9007
4.38	7.00	4.59	9.00	1 60	.....	Hominy feed,	9078
4.70	.....	3.59	.....	31 00			
7.03	4.00	4.57	4.00	1 60	Yellow hominy feed, ..	As certified,	10018
7.55	4.00	3.01	4.00	2 00	.....	Hominy feed,	9005
7.29	.....	3.79	.....	1 80			
7.17	6.00	4.09	5.00	1 75	.....	Hominy feed,	9787
9.37	.....	5.72	.....	34 00	.....	Hominy feed,	10100
8.65	9.00	4.74	7.60	1 50	.....	Hominy feed,	9097
7.98	7.00	3.82	6.00	1 55	.....	Hominy feed,	9042
8.40	7.1-9	5.91	10.00	1 75	Compounded from white corn.	As certified,	10187
6.90	7.1-9	5.22	10.00	1 45	Compounded from white corn.	As certified,	9284
7.65	.....	5.56	.....	1 60			
8.33	7.30	5.55	7.00	32 00	.....	Hominy feed,	9941
7.80	6.5-9	5.07	7.00	1 40	.....	Hominy feed,	9484
5.92	3-6	5.02	4-8	30 00	.....	Hominy feed,	9963
7.46	.....	4.76	.....	31 94			
8.10	5.00	10.50	15.00	32 60	.....	Corn bran and small amount of corn cleanings.	10147
4.51	3-5	6.94	7-9	27 00	.....	Corn bran,	8958

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10189	..... Heffner Milling Co., Circleville, Ohio.	Amiller, J. Watson Craft,	1289	9.39	10.81	9-11
9932	..... Heffner Milling Co., Circleville, Ohio.	Coatesville, J. C. Valentine.	1032	9.52	9.63	9-11
		Average, .....	.....	9.45	10.22	.....
9962	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Chester, C. C. Hippie & Son.	1062	8.43	10.31	8.00
9976	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Media, M. C. Michener, ..	1076	9.51	10.88	8.50
10143	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Poylestown, J. W. Stilwagon & Son.	1243	10.05	10.56	8.00
		Average, .....	.....	9.33	10.58	.....
9763	..... Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	803	11.51	11.06	7-10
9489	Maizeline Feed, C. W. Wagar & Co., Philadelphia, Pa.	Tottstown, A. K. Kulp, ..	589	8.57	10.19	7.00
10175	Maizeline Feed, C. W. Wagar & Co., Philadelphia, Pa.	Norristown, S i m p s o n Brothers.	1275	9.25	8.94	7.00
		Average, .....	.....	8.91	9.57	.....
		Total average, .....	.....	9.58	10.33	.....
	Corn Feed Meal.					
10194	..... The Akron Feed and Milling Co., Akron, Ohio.	Indiana, St. Clair, Rinn & Co.	1294	13.82	9.44	.....
9598	Yellow, Globe Elevator Co., Buffalo, N. Y.	Westfield, F. A. Ackley,	698	12.63	9.13	8-9
9899	Yellow, Globe Elevator Co., Buffalo, N. Y.	Kane, Swanson Grocery Co.	999	11.86	9.75	8-9
		Average, .....	.....	12.27	9.44	.....
		Total average, .....	.....	12.79	9.44	.....
	WHEAT OFFALS.					
	Low Grade Flour.					
10029	Red Dog, Bay State Milling Co., Winona, Minn.	Oil City, Clyde D. Duffee.	1129	10.98	17.44	18.00
9329	Red Dog Middlings, Duluth-Superior Milling Co., Duluth, Minn.	Funxsutawnev, Jefferson Flour and Feed Co.	459	10.96	18.81	17.50
9506	Superb, Eagle Roller Mill Co., New Ulm, Minn.	St. Marys, L. Ritter,	606	10.08	20.19	18.82
9590	Red Dog, Hecker-Jones-Jewell Milling Co., Buffalo, N. Y.	Westfield, H. Z. Pride & Son.	690	12.34	17.88	16.41
9912	Red Dog, Marshall Milling Co., Marshall, Minn.	Kaue, J. A. Stoll & Co.,	1012	11.43	16.31	15.05
9858	B O B Fancy Red Dog, National Milling Co., Minneapolis, Minn.	Gettysburg, C. M. Wolf, ..	958	10.28	17.94	16-18
9591	Amazon, Unknown, Minneapolis, Minn.	Westfield, H. Z. Pride & Son.	691	12.63	17.50	.....
		Average, .....	.....	11.24	18.01	.....
	Wheat Middlings.					
9923	Pure, Blaine, Mackay, Lee Co., North East, Pa.	Youngsville, Youngsville Milling Co.	1023	11.60	18.06	16.00
9543	..... Blank & Gottshall, Sunbury, Pa.	Mifflinburg, R. Foster & Son.	643	10.83	15.75	14-16
9429	..... W. N. Brosha, Antes Fort, Pa.	Antes Fort, W. N. Brosha,	529	11.84	15.88	.....
9151	Pure Wheat Flour, Cannon Valley Milling Co., Minneapolis, Minn.	Greensburg, Shapiro & Goldberg.	251	10.54	18.00	17.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$30.00	.....	Corn bran,	10189
8.34	5-7	12.38	12-15		.....	Corn bran,	9932
7.46	5-7	13.43	12-15	29.60	.....	
7.90	.....	12.90	.....	29.50			
6.82	3.00	8.62	9.00	32.00	Made from selected white corn carefully handled, cooked and kiln dried.	Corn bran,	9962
8.17	3.00	7.67	9.00	32.00	Made from selected white corn carefully handled, cooked and kiln dried.	Corn bran,	9976
7.26	4.00	5.81	9.00	1.60	Made from pure white corn.	Corn bran,	10143
7.42	.....	7.36	.....	32.00			
4.87	2-4	7.11	10-12	1.70	.....	Corn bran,	9783
8.60	4.90	8.44	13.00	1.60	.....	Corn bran,	9489
8.06	4.00	10.28	13.00	31.00	.....	Corn bran,	10175
8.33	.....	9.36	.....	31.50			
7.22	.....	9.11	.....	31.10			
4.53	.....	2.29	.....	1.70	.....	Corn feed meal,	10194
4.37	3-4	1.82	3-4	1.60	Made from corn,	As certified,	9598
4.88	3-4	2.35	3-4	38.60	Made from corn,	As certified,	9899
4.63	.....	2.08	.....	35.00			
4.59	.....	2.15	.....	34.67			
4.37	4.05	2.63	2.50	1.85	Pure wheat product, ..	As certified,	10029
5.56	4.50	2.48	3.50	1.70	Guaranteed pure,	As certified,	9359
5.41	5.93	3.88	4.30	1.75	.....	Low grade flour,	9506
4.43	3.20	2.43	3.83	1.75	Made from pure wheat.	As certified,	9590
4.66	4.00	4.27	3.74	1.85	.....	Low grade flour,	9912
4.88	4-5	4.17	4-5	1.80	.....	Low grade flour,	9858
3.54	.....	0.48	.....	1.85	.....	Low grade flour,	9591
4.69	.....	2.90	.....	1.79			
4.57	4.00	4.54	6.00	1.65	.....	Wheat middlings,	9923
4.73	4.5-5	5.15	4-4.5	1.70	.....	Wheat middlings,	9543
4.04	.....	3.77	.....	1.60	.....	Wheat middlings,	9429
7.06	5.00	6.17	6.00	1.65	.....	Wheat middlings,	9151

TABLE IV.--ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9499	..... Crouch Brothers Co., Erie, Pa.	Ridgway, Smith Brothers Co.	599	10.75	17.44	14.00
9199	..... Crouch Brothers Co., Erie, Pa.	Reynoldsville, J. H. Spears.	299	10.76	18.25	14.00
9792	..... Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	892	10.47	18.00	.....
8962	S. Duluth Superior Milling Co., Duluth, Minn.	Lancaster, Shreuer & Son.	62	10.36	17.56	17.50
9570	Flour, B. A. Eekhart Milling Co., Chicago, Ill.	Emporium, Emporium Milling Co.	670	9.91	16.81	15.00
8997	Eclipse Standard, Elysian Milling Co., Elysian, Minn.	Mapleton, H. O. Andrews,	97	10.06	17.13	16.20
9143	Standard, Empire Milling Co., Minneapolis, Minn.	Munson Station, Jacob Smutzinger.	243	9.38	19.13	15.00
9568	..... Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	668	11.46	15.56	.....
9620	Pure, Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	720	10.92	17.94	.....
10167	..... Henderson Supplee & Son, Conshohocken, Pa.	Conshohocken, Henderson Supplee & Son.	1267	12.27	15.44	.....
9857	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Gettysburg, C. M. Wolf,	957	9.76	18.31	14.00
10155	Jenk's White, The Huron Milling Co., Harbor Beach, Mich.	Lansdale, F. P. Cassel & Son.	1255	11.21	13.88	13.00
9746	Pure Winter, Kelley Milling Co., Kansas City, Mo.	Butler, B. F. Shannon & Co.	846	10.83	19.31	17.00
9581	..... The Wm. Kelley Milling Co., Hutchinson, Kans.	Coudersport, Gates Brothers.	681	10.57	20.94	18.50
9482	Mayflower, Mayflower Mills, Fort Wayne, Ind.	Quakertown, S. S. Detweiler.	582	10.55	18.13	14.00
9148	Hardenbergh's Choice Flour, National Milling Co., Minneapolis, Minn.	Wallacetown, E. K. Turner,	248	10.50	17.56	15-18
9209	Wheat Flour, Niagara Falls Milling Co., Buffalo, N. Y.	Clarion, E. T. Kahle & Son.	309	10.08	17.50	16.00
9537	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	West Milton, Grove Store Co.	637	9.29	17.00	15.00
9218	Fancy Country, Northwestern Milling Co., Little Falls, Minn.	Kittanning, Wm. Gates Estate.	318	10.94	17.44	12.50
8973	Fancy Country, Northwestern Milling Co., Little Falls, Minn.	Elizabethtown, Muth Brothers.	73	10.09	18.13	17.00
9889	Pure, The Richards & Evans Co., Cortland, Ohio.	Sharon, J. M. Porter,	989	11.05	15.88	.....
9392	Pure, The Richards & Evans Co., Cortland, Ohio.	Farrell, Julius B. Roux,	992	10.97	17.50	.....
9835	..... Sharon Flour and Feed Milling Co., Sharon, Pa.	Sharon, Sharon Flour and Feed Milling Co.	995	11.37	14.13	.....
9996	..... F. W. Stock & Sons, Hillsdale, Mich.	Jeannette, Keystone Supply Co.	1096	10.40	16.88	16.50
8984	Pure Hard Wheat Standard, Washburn-Crosby Co., Minneapolis, Minn.	Quarryville, Lancaster County Farmers' Association.	84	10.25	17.94	15.00
9162	Pure Hard Wheat Standard, Washburn-Crosby Co., Minneapolis, Minn.	Greensburg, McFarland Supply Co.	262	10.00	18.13	15.00
9616	..... C. Y. Wagner, Bellefonte, Pa.	Bellefonte, C. Y. Wagner,	716	11.17	17.13	12-14
9153	..... Unknown,	Greensburg, Shapiro & Goldberg.	253	11.16	16.56	.....
	Wheat Middlings with Admixtures.	Average, .....	.....	10.66	17.29	.....
9759	Aeme Flour Middlings, Aeme-Evans Co., Indianapolis, Ind.	Charleroi, R. C. Mountser,	859	9.40	18.56	16.50

FEEDING STUFFS COLLECTED IN 1914 —Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.85	.....	Wheat middlings,	9499
5.32	4.50	4.70	3.12	1.60	.....	Wheat middlings,	9199
5.89	5.50	5.41	2.12	31.00	.....	Wheat middlings,	9792
6.01	5.00	7.12	8.00	1.35	Guaranteed pure wheat middlings.	As certified,	8962
4.24	4.00	3.24	7.00	1.65	.....	Wheat middlings,	9570
6.02	4.40	8.06	7.40	30.00	Pure wheat middlings,	As certified,	8997
6.89	4.00	8.74	9.00	1.60	Pure wheat product, ..	As certified,	9143
3.97	.....	3.05	.....	1.65	.....	Wheat middlings,	9568
4.33	.....	4.55	.....	30.00	.....	Wheat middlings,	9620
4.92	.....	6.45	.....	30.00	.....	Wheat middlings and trace of ground screenings.	10167
5.86	3.00	6.45	11.00	1.60	.....	Wheat middlings,	9857
3.47	2.50	2.25	3.50	2.45	.....	Wheat middlings,	10155
6.32	4.50	6.04	5.00	1.45	.....	Wheat middlings,	9746
5.16	5.00	5.15	5.00	1.60	.....	Wheat middlings,	9581
5.85	6.00	6.71	7.60	30.00	.....	Wheat middlings and trace of ground screenings.	9482
4.90	4.5-5.5	4.76	.....	1.50	Pure and unadulterated wheat.	As certified,	9148
5.54	4.00	6.45	7.00	1.60	.....	Wheat middlings,	9209
5.64	4.50	9.11	10.00	1.45	.....	Wheat middlings,	9537
5.59	5.00	7.68	8.90	1.45	.....	Wheat middlings and trace of ground screenings.	9218
6.01	4.00	7.61	10.75	27.00	.....	Wheat middlings,	8973
4.78	.....	4.19	.....	1.70	.....	Wheat middlings,	9889
5.60	.....	4.30	.....	1.70	.....	Wheat middlings and trace of ground screenings.	9392
4.34	.....	4.81	.....	1.60	.....	Wheat middlings and trace of ground screenings.	9895
4.76	4.00	6.00	6.00	1.75	Made from pure wheat.	As certified,	9996
5.86	4.00	7.62	8.00	28.00	.....	Wheat middlings,	8984
5.69	4.00	8.09	8.00	1.50	.....	Wheat middlings,	9162
4.24	3-4	4.28	3-5	31.00	.....	Wheat middlings,	9616
5.30	.....	4.64	.....	1.65	.....	Wheat middlings,	9153
5.25	.....	5.71	.....	31.97	.....	.....	.....
4.29	4.50	5.33	8.00	1.80	Wheat middlings and not exceeding mill run of ground clean-wheat screenings.	As certified,	9759

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9317	Refuse Cleaning Mixture, The American Sheet and Tin Plate Co., New Castle, Pa.	Rochester, Rochester Seed and Supply Co.	417	5.62	Per et. 17.19	Per et. 14.00
10058	Atlas Wheat Flour Middlings with Ground Screenings not exceeding Mill Run, Atlas Flour Mills, Milwaukee, Wis.	Newville, S. E. Shenk & Sons.	1158	10.06	16.94	16.00
9624	Wheat Flour Middlings with not exceeding Mill Run Ground Screenings, Baldwin Flour Mills, Minneapolis, Minn.	Lewistown, Lewistown Ice and Storage Co.	724	10.81	18.19	16.50
9519	Wheat Middlings with Ground Screenings not exceeding Mill Run, Barber Milling Co., Minneapolis, Minn.	DuBois, Timlin, Kelly & Co.	619	11.02	16.81	14-18
10050	Winona Wheat Middlings with Ground Screenings from Wheat not exceeding Mill Run, Bay State Milling Co., Winona, Minn.	Carlisle, Frank E. Thompson.	1150	9.44	18.13	17.00
9116	Wheat Middlings and Mill Mill Run Ground Screenings, Bay State Milling Co., Winona, Minn.	Windber, Weaver & Berkey.	216	10.31	17.88	17.00
		Average, .....	.....	9.87	18.01	.....
9252	Gem Middlings, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ...	352	10.47	15.50	10.10
9549	C. D. M. White Wheat Middlings with Ground Screenings not exceeding Mill Run, Central Dakota Mill, Arlington, S. Dak.	Wilkinsburg, Johnson & Smith.	649	10.02	17.19	16.00
9881	Palm Oil Middlings, City Roller Mills, New Castle, Pa.	New Castle, City Roller Mills.	981	3.89	17.75	15.00
10117	Palm Oil Middlings, City Roller Mills, New Castle, Pa.	Linesville, Farmers' Protective Association.	1217	4.40	18.81	15.00
		Average, .....	.....	4.14	18.28	.....
9201	Wheat Coarse Middlings with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Brookville, Kline's Sifter Mills.	301	9.50	18.31	14-17
9557	Wheat Coarse Middlings with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Leechburg, H. May,	657	9.95	17.44	14-17
10195	Wheat Coarse Middlings with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Indiana, St. Clair, Rinn & Co.	1295	10.43	18.94	14-17
		Average, .....	.....	9.96	18.23	.....
10196	Wheat Fine Middlings with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Indiana, St. Clair, Rinn & Co.	1296	11.17	17.56	15-18
9360	Standard Middlings with Ground Screenings not exceeding Mill Run, Duluth-Superior Milling Co., Duluth, Minn.	Punxsutawney, Jefferson Flour and Feed Co.	460	10.63	18.44	17.50
10115	Middlings with Ground Screenings not exceeding Mill Run, B. A. Eckhart Milling Co., Chicago, Ill.	Linesville, Farmers' Protective Association.	1215	9.75	17.88	14.00

FEEDING STUFFS COLLECTED IN 1914.--Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.	
	Round.	Guaranteed.					
Per ct.	Per ct.	Per ct.	Per ct.	Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
8.77	6.00	8.64	7.50	\$1 30	Wheat middlings and palm oil.	As certified,	9317
5.09	4.50	8.00	8.00	30 00	.....	Wheat middlings with mill run ground screenings.	10058
6.04	5.00	5.53	7.00	1 70	.....	Wheat middlings with mill run ground screenings.	9624
5.74	4-6	5.86	8.00	1 50	.....	Wheat middlings with mill run ground screenings.	9519
5.72	5.00	7.84	8.00	1 50	.....	Wheat middlings with mill run ground screenings.	10050
6.21	5.00	7.81	8.00	29 00	.....	Wheat middlings with mill run ground screenings.	9116
5.97	.....	7.82	.....	29 50			
6.03	2.10	3.94	11.30	1 60	Wheat middlings, red dog flour and hominy feed.	As certified,	9252
5.45	4.50	6.40	6.25	1 65	.....	Wheat middlings and mill run ground screenings.	9549
7.89	6.00	6.43	9.00	23 00	Wheat middlings and palm oil.	As certified,	9881
8.28	6.00	7.04	7.50	1 35	Wheat middlings and palm oil.	As certified,	10117
8.09	.....	6.73	.....	25 00			
6.06	4.5-6.5	6.48	.....	30 00	.....	Wheat middlings and mill run ground screenings.	9201
5.40	4.5-6.5	7.51	.....	1 50	.....	Wheat middlings with mill run ground screenings.	9357
6.32	4.5-6.5	7.24	9.00	1 50	.....	Wheat middlings with mill run ground screenings and small amount of weed seeds.	10195
5.93	.....	7.07	.....	30 00			
4.34	3.5-6	4.33	6.60	1 70	.....	Wheat middlings with mill run ground screenings.	10196
6.43	5.50	6.28	8.00	1 55	.....	Wheat middlings with mill run ground screenings.	9360
4.84	4.60	7.31	7.00	1 40	.....	Wheat middlings with mill run ground screenings.	10115

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9761	Middlings with Ground Screenings not exceeding Mill Run, B. A. Eckhart Milling Co., Chicago, Ill.	Charleroi, R. C. Mountser,	861	Per cent. 9.03	Per cent. 17.56	Per cent. 14.00
	Average, .....	.....	.....	9.39	17.72	.....
9494	E-A-Co. Wheat Middlings, Everett-Aughenbaugh & Co., Wascoa, Minn.	Pottstown, S. B. Wagner & Co.	594	9.40	18.44	15.00
9202	Harter's Winter Wheat Middlings with Ground Screenings not exceeding Mill Run, The Harter Milling Co., Toledo, Ohio.	Brookville, Kline's Sifter Mills.	302	10.02	16.94	15.00
10031	Wheat Flour Middlings with Ground Screenings not exceeding Mill Run, W. J. Jenison Co., Minneapolis, Minn.	Titusville, Titusville City Mills.	1131	11.43	18.63	17.00
9110	White Middlings and Screenings, The Kaw Milling Co., Topeka, Kans.	Windber, Claude Davis, ..	210	9.92	18.69	18.00
9095	Badger Fancy Middlings, Chas. A. Krause Milling Co., Milwaukee, Wis.	Reading, Wertz Milling Co.	195	9.67	12.44	12.00
10027	Wheat Shorts with Mill Run Screenings not to exceed 8 per cent., The Larabee Flour Mill Co., Hutchinson, Kans.	Oil City, Clyde D. Duffee,	1127	10.09	20.22	16.00
9986	Wheat Shorts and Screenings, The Lindsborg Milling and Elevator Co., Lindshorg, Kans.	Paoli, Edward F. Brackeu,	1086	10.83	19.94	16.00
10094	Elmco Wheat Standard Middlings and Screenings, Listman Mill Co., La Crosse, Wis.	Manheim, Frank K. Nau-mau.	1194	9.81	19.44	17.11
9640	Elmco Wheat Middlings and Screenings, Listman Mill Co., La Crosse, Wis.	Port Royal, Wisehaupt & Frazer.	740	10.12	18.50	17.88
9654	Colonial Middlings, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	754	11.13	13.25	12-15
9214	(Taylor's Feed) Wheat Middlings with Screenings not exceeding Mill Run, The Northwestern Elevator and Mills Co., Toledo, Ohio.	Kittanning, J. A. Gault & Co.	314	9.89	17.25	15-17
10013	Middlings with Ground Screenings not exceeding Mill Run, Rockwell's Flour Mills, North Baltimore, Ohio.	Braddock, John Lachman,	1113	11.21	14.75	.....
9890	Palm Oil Middlings, Julius B. Roux, Farrell, Pa.	Farrell, Julius B. Roux,	990	5.08	18.25	15.00
9561	Whitehope Middlings, Sheffield-King Milling Co., Minneapolis, Minn.	New Keusingtou, A. H. Klugh.	661	10.30	17.50	16.25
9562	Fairyhow Standard Middlings, Sheffield-King Milling Co., Minneapolis, Minn.	New Kensington, A. H. Klugh.	662	9.87	17.50	17.15
9347	Camp's No. 2 White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & Mc-Kelvey.	447	10.40	17.25	12-14
9576	Wheat Flour Middlings with Ground Screenings not exceeding Mill Run, Washburn-Crosby Co., Minneapolis, Minn.	Port Allegany, Port Allegany Milling Co.	676	11.20	18.06	17.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Pound.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.65	.....	Wheat middlings with mill run ground screenings.	9761
4.72	4.00	7.33	7.00				
4.78	.....	7.33	.....	30.50		As certified,	9494
6.15	3.00	6.66	10.00	1.60	Standard and flour middlings and ground screenings not exceeding mill run.		
5.65	4.00	5.33	6.50	32.00	.....	Wheat middlings and ground screenings.	9202
5.45	4.50	6.26	5.50	36.00	.....	Wheat middlings with mill run ground screenings.	10031
4.71	4.40	4.60	6.00	32.00	.....	Wheat middlings and ground screenings.	9110
7.16	4.50	3.72	7.00	1.50	Wheat middlings and maizo red dog flour.	As certified,	9095
5.33	3.50	5.29	5.50	1.65	.....	Wheat middlings and mill run ground screenings.	10027
5.16	3.00	6.62	8.00	35.00	.....	Wheat middlings and ground screenings.	9086
6.28	6.00	8.23	7.82	28.60	.....	Wheat middlings and ground screenings.	10091
5.64	5.24	5.06	4.47	1.60	.....	Wheat middlings and ground screenings.	9640
5.84	5-8	5.08	6-8	1.65	Wheat middlings and white corn middlings.	As certified,	9654
4.84	4-6	5.72	5-6	31.00	.....	Wheat middlings and mill run ground screenings.	9214
3.39	.....	5.03	.....	33.00	.....	Wheat middlings and mill run ground screenings.	10013
7.70	6.00	5.94	7.50	1.30	Wheat middlings and palm oil.	As certified,	9890
5.53	5.05	6.94	6.65	1.65	White middlings, wheat products and pulverized wheat screenings.	As certified,	9561
5.05	5.01	8.93	8.96	1.60	Standard middlings, wheat product and pulverized wheat screenings.	As certified,	9562
5.11	4-5	6.11	5.00	1.60	Wheat middlings and fine white corn meal.	As certified,	9347
5.60	5.00	6.31	6.50	1.65	.....	Wheat middlings and mill run ground screenings.	9576

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9879	Star Winter Wheat Middlings with Scourings, The Western Star Mill Co., Salina, Kans.	New Castle, New Castle Feed Co.	979	Per cent. 11.00	Per cent. 18.13	Per cent. 17.00
9369	Standard Middlings with Mill Run Screenings, Unknown.	Shamokin, Shamokin Milling Co.	469	10.10	18.00	15.00
	Mixed Feed—Wheat By-Products.					
9600	Mixed Wheat Feed and Mill Run Ground Screenings, Bay State Milling Co., Winona, Minn.	Wellsboro, Equity Co-Operative Exchange.	700	10.65	17.19	17.00
9794	Mixed Boston Feed, Duluth-Superior Milling Co., Duluth, Minn.	Meshoppen, C. N. Tyler, ...	894	10.73	16.56	16.50
10139	Pure Mill Feed, Eldred Mill Co., Jackson, Mich.	Wesleyville, W. D. Ripley.	1239	10.57	16.31	16.25
10132	Mixed Feed with Mill Run Screenings, Hecker-Jones-Jewell Milling Co., Buffalo, N. Y.	Erie, Erie Milling and Supply Co.	1232	11.50	17.63	14.64
9678	Crescent Mixed Feed, Kemper Mill and Elevator Co., Kansas City, Mo.	Montrose, Harrington & Wilson.	778	9.73	17.00	16.00
10129	Kent Mixed Feed Winter Wheat, The Williams Brothers Co., Kent, Ohio.	Erie, Erie Milling and Supply Co.	1229	10.26	16.06	12-19
	Wheat Bran.	Average, .....	.....	10.57	16.79	.....
8993	Pure, Baldwin Flour Mills, Minneapolis, Minn.	Bedford, Davidson Brothers.	93	9.94	16.44	15.00
9634	Winona Coarse, Bay State Milling Co., Winona, Minn.	Honesdale, Honesdale Milling Co.	784	11.20	16.13	15.00
9117	Wingold, Bay State Milling Co., Winona, Minn.	Windber, Weaver & Berkley.	217	9.48	17.31	15.00
9006	Big Diamond, Big Diamond Mills Co., Minneapolis, Minn.	Altoona, R. F. Notley, ...	106	10.68	16.19	12.80
10030	Pure, Bowersock Mills and Power Co., Lawrence, Kans.	Titusville, Titusville City Mills.	1130	10.72	18.75	14.60
9430	..... W. N. Brosha, Antes Fort, Pa.	Antes Fort, W. N. Brosha,	530	11.01	15.81	.....
9152	Pure, Caunon Valley Milling Co., Minneapolis, Minn.	Greensburg, Shapiro & Goldberg.	252	9.95	16.06	13-17
9550	C. D. M., The Central Dakota Mill, Arlington, S. Dak.	Wilkinsburg, Johnson & Smith.	650	9.93	16.00	15.50
9905	Pure, L. Christian & Co., Minneapolis, Minn.	Kane, Swanson Grocery Co.	1005	10.21	15.25	15.00
10140	Pure, Hauiel Clark & Co., Union City, Pa.	Wesleyville, W. D. Ripley.	1240	10.27	15.94	.....
10159	Choice Coarse Pure Spring, Jonas F. Ehy & Son, Lancaster, Pa.	Lansdale, F. P. Cassel & Son.	1259	10.47	15.50	.....
8998	Eclipse, Elysian Milling Co., Elysian, Minn.	Mapleton, H. O. Andrews,	98	9.56	15.88	15.60
9369	..... Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	669	10.58	15.56	.....
9619	..... Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	719	10.85	15.44	.....
9431	..... Gamble, Gheen & Co., Bellefonte, Pa.	Antes Fort, Gheen, Spigelmier & Phleger.	531	11.43	15.06	.....
10066	Clover Leaf, The Gardner Mills, Hastings, Minn.	Shippenburg, Nickles & Stewart.	1166	10.00	14.13	14.00
9631	..... John D. Greyhill & Sons, Belleville, Pa.	Lewistown, H. C. Jackson Supply Co.	731	11.72	15.06	.....
9608	Harter's Pure Winter, The Harter Milling Co., Toledo, Ohio.	Wellsboro, Geo. C. and F. A. Brooks.	708	10.78	15.94	15.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 4.79	Per et. 4.00	Per et. 4.67	Per et. 5.50	\$1 65	Not to exceed 8 per cent. scourings.	Wheat middlings and scourings.	9879
5.67	3.50	7.41	10.00	32 00	.....	Wheat middlings and mill run ground screenings.	9369
5.21	5.00	6.35	8.00	1 60	.....	Wheat bran and middlings and mill run ground screenings.	9600
5.70	4.50	8.10	9.50	31 00	Wheat bran middlings, low grade flour with ground screenings not exceeding mill run.	As certified,	9794
4.45	4.77	7.94	.....	1 40	Made from choice selected wheat.	Wheat bran and middlings.	10139
5.40	5.36	7.55	8.83	29 00	Made from pure wheat,	As certified,	10132
4.81	4.00	7.98	10.00	1 60	Bran, middlings and mill run screenings.	As certified,	9678
4.46	2-8	8.10	8-15	29 00	.....	Wheat bran and middlings.	10129
5.01	.....	7.67	.....	30 17	.....	.....	.....
5.76	5.00	6.27	12.50	1 40	.....	Wheat bran and trace ground screenings.	8993
5.41	5.00	9.34	11.00	30 00	.....	Wheat bran and trace ground screenings.	9684
5.64	5.00	9.64	11.00	28 00	Pure wheat,	As certified,	9117
5.22	4.50	9.55	11.07	1 50	Pure wheat product, ..	Wheat bran and small amount of ground screenings.	9006
4.73	3.75	9.77	12.00	29 00	.....	Wheat bran,	10030
4.06	.....	8.92	.....	1 50	.....	Wheat bran,	9439
5.48	4-6	10.65	10.00	1 45	.....	Wheat bran,	9152
5.24	3.75	10.41	11.52	1 60	.....	Wheat bran and small amount of ground screenings.	9550
4.69	4.00	10.82	10.00	30 00	.....	Wheat bran and trace of ground screenings.	9905
5.01	.....	9.92	.....	1 30	.....	Wheat bran and trace of ground screenings.	10140
5.15	.....	10.63	.....	25 50	.....	Wheat bran and small amount of ground screenings.	10159
5.35	4.10	10.18	11.80	28 00	Pure wheat bran,	As certified,	8998
5.04	.....	9.32	.....	1 60	.....	Wheat bran,	9569
4.15	.....	8.71	.....	27 00	.....	Wheat bran,	9619
4.27	.....	9.09	.....	1 50	.....	Wheat bran,	9431
5.75	3.70	11.61	13.50	26 50	Wheat bran,	Wheat bran and ground screenings.	10066
3.70	.....	6.45	.....	1 60	.....	Wheat bran and ground screenings.	9631
4.42	4.00	9.06	9.50	30 00	.....	Wheat bran and small amount of ground screenings.	9608

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10168	..... Henderson Supplee & Son, Conshohocken, Pa.	Conshohocken, Henderson Supplee & Son.	1268	11.68	15.06	.....
9859	Pure, John Hoffer Flouring Mill Co., Steelton, Pa.	Gettysburg, C. M. Wolf,	959	10.00	15.31	14.00
10000	Snow Flake, Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.	Canonsburg, Wm. H. Dunlap, Jr.	1100	10.41	16.19	14.20
9495	Elmco Wheat Fancy, Listman Mill Co., La Crosse, Wis.	Fottstown, S. B. Wagner & Co.	595	9.45	16.81	15.00
9661	Pure, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons.	761	10.31	16.31	13.00-14.33
9447	Pure, Mauser Mill Co., Laurys, Pa.	Allentown, Edwin S. Koch,	547	11.00	16.31	14.00
9683	Faucy, Melrose Milling Co., Melrose, Minn.	Honesdale, Honesdale Milling Co.	783	10.60	14.19	14-17
9855	Hardenhergh's Extra Coarse, National Milling Co., Minneapolis, Minn.	Gettysburg, C. M. Wolf,	955	9.57	17.25	15-17
9205	Choice, Niagara Falls Milling Co., Buffalo, N. Y.	Clarion, E. T. Kahle & Son.	305	8.70	16.56	14.00
9911	Pure—No Screenings, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Kane, J. A. Stoll & Co.,	1011	10.95	16.13	14.50
9217	..... The Northwestern Milling Co., Little Falls, Minn.	Kittanning, Wm. Gates Est.	317	10.72	15.31	13.20
9517	Fancy Spring, The Northwestern Milling Co., Little Falls, Minn.	DuBois, Timlin, Kelly & Co.	617	11.34	15.75	13.20
10020	Fancy Spring, The Northwestern Milling Co., Little Falls, Minn.	Oil City, New Model Milling Co.	1120	11.20	14.81	13.20
9396	..... Pillsbury Flour Mills, Minneapolis, Minn.	Scottdale, J. E. Pritts, ..	496	9.67	13.81	16.00
9868	Queen Bee, Queen Bee Flour Mills Co., Sioux Falls, S. Dak.	New Castle, F. W. Hutchinsou & Son.	963	11.46	15.44	15.30
9891	Pure, The Richards & Evans Co., Cortland, Ohio.	Farrell, Julius B. Roux,	991	10.71	15.00	.....
8963	Royal, Royal Milling Co., Great Falls, Mont.	Lancaster, Shreiner & Son.	63	12.11	16.69	15.00
9896	..... Sharon Flour and Feed Milling Co., Sharon, Pa.	Sharon, Sharon Flour and Feed Milling Co.	996	11.06	13.25	.....
9716	Pure, Sleepy Eye Milling Co., Minneapolis, Minn.	Waynesburg, Waynesburg Milling Co.	816	11.15	15.25	15.30
10154 ^t	..... Stickel & Son, Hagerstown, Md.	Lansdale, F. P. Cassel & Son.	1254	11.32	15.13	.....
9725	F. W. Stock & Sons, Hillsdale, Mich.	Waynesburg, W. M. Templeton & Sons.	-825	10.10	15.75	14.00
9039	Pure, W. H. Stokes Milling Co., Watertown, S. Dak.	Cleona, J. H. Long,	139	8.82	16.75	15.00
9917	Voigt's Pure, Voigt Milling Co., Grand Rapids, Mich.	Warren, Warren City Mills.	1017	11.03	15.44	17.00
9617	..... C. Y. Wagner, Bellefonte, Pa.	Bellefonte, C. Y. Wagner,	717	10.36	16.31	.....
9053	Pure Hard Wheat Coarse, Washburn-Crosby Co., Minneapolis.	Avon, C. Z. Weiss,	153	10.15	16.06	14.50
9067	..... Western Canada Flour Mills Co., Toronto, Canada.	Kutztown, W. W. Feick Co.	167	9.02	16.75	16.82
8946	Western Canada, Western Canada Flour Mills Co., Toronto, Canada.	Hanover, C. E. Miller, ..	46	10.50	16.56	16.82
9046	Diamoud, Unknown,	Myerstown, E. L. Bleistein.	146	8.82	15.13	13-15
	Average .....		.....	10.45	15.78	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$28 00	.....	Wheat bran and trace of ground screenings.	10168
4.56	.....	8.09	.....	1 45	.....	Wheat bran,	9859
4.24	4.00	9.37	11.00	27 00	Pure wheat product,	Wheat bran and trace of ground screenings.	10000
3.94	3.80	9.81	9.50	30 00	.....	Wheat bran,	9495
5.58	4.00	4.12	9-11	1 55	.....	Wheat bran and ground screenings.	9661
5.03	4.00	9.08	10.90	1 60	.....	Wheat bran and small amount of ground screenings.	9447
5.05	5.31	7.83	12.00	.....	.....	Wheat bran and ground screenings.	9683
5.05	5.00	9.00	9.00	1 50	.....	As certified,	9855
5.03	3-6	10.99	11.00	30 00	.....	Wheat bran,	9205
5.22	4-5	4.69	.....	1 50	Pure and unadulterated wheat.	Wheat bran and trace of ground screenings.	9911
5.52	3.00	10.66	12.00	1 50	.....	Wheat bran,	9517
5.02	4.00	9.69	11.00	1 50	.....	Wheat bran and trace of ground screenings.	10020
4.94	3.30	10.31	12.80	1 45	.....	Wheat bran and trace of ground screenings.	9396
5.19	3.30	9.89	12.80	1 50	.....	Wheat bran,	9868
5.23	3.30	10.92	12.80	1 40	.....	Wheat bran and small amount of ground screenings.	9891
5.95	4.50	12.75	4.00	1 45	Pure and unadulterated wheat bran.	Wheat bran,	8963
4.63	4.40	9.71	13.30	1 40	.....	Wheat bran and trace of whole weed seeds.	9896
4.08	.....	9.03	.....	1 45	.....	As certified,	9716
4.36	4.00	7.02	10.50	1 35	Unadulterated wheat bran.	Wheat bran and trace of ground screenings.	10154
3.90	.....	3.06	.....	1 50	.....	Wheat bran,	9039
5.12	4.50	10.53	13.20	1 60	.....	Wheat bran and small amount of ground screenings.	9917
4.19	.....	9.00	.....	28 75	.....	Wheat bran,	9617
3.95	3.00	9.06	10.00	29 00	Made from pure wheat,	As certified,	9053
5.31	4.00	10.40	9.79	27 00	.....	Wheat bran,	9067
3.90	6.50	8.23	7.50	1 40	.....	Wheat bran and trace of ground screenings.	8946
3.99	.....	8.00	.....	27 00	.....	Wheat bran,	9046
5.32	4.00	10.62	11.00	1 40	.....	Wheat bran,	9067
5.28	5.50	9.15	10.86	27 00	.....	Wheat bran,	9067
5.60	5.50	7.97	10.88	1 35	.....	Wheat bran,	9067
5.49	3.5-5.5	10.82	.....	1 40	.....	Wheat bran,	9067
4.89	.....	9.14	.....	28 95	.....	Wheat bran,	9067

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
	Wheat Bran with Admixtures.					
10039	Big Diamond Wheat Bran with Ground Screenings not exceeding Mill Run, Big Diamond Mills Co., Minneapolis, Minn.	Titusville, Kerr Hill Mill Co., Ltd.	1139	Per et. 10.12	Per et. 15.56	Per et. 14.00
9921	Pure Wheat Bran and Ground Screenings, Blaine, Mackay, Lee Co., North East, Pa.	Youngsville, Youngsville Milling Co.	1021	10.63	15.56	15.40
9555	Wheat Bran with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Leechburg, H. May,	655	9.78	15.81	14-17
10192	Wheat Bran with Ground Screenings not exceeding Mill Run, The Cleveland Milling Co., Cleveland, Ohio.	Indiana, St. Clair, Rinn & Co.	1292	10.16	15.94	14-17
	Average,			9.97	15.88	.....
9127	Commander Wheat Bran with Ground Screenings not exceeding Mill Run, Commander Mill Co., Minneapolis, Minn.	South Fork, J. E. Crisman.	227	8.70	16.69	14.00
9206	Wheat Bran and Ground Screenings, Crouch Brothers, Co., Erie, Pa.	Clarion, E. T. Kahle & Son.	306	9.18	16.50	14.50
9498	Wheat Bran and Ground Wheat Screenings, Crouch Brothers Co., Erie, Pa.	Ridgway, Smith Brothers Co.	598	10.87	16.00	14.50
	Average,			10.02	16.25	.....
9198	Wheat Bran and Ground Wheat Screenings, Crouch Brothers Co., Erie, Pa.	Reynoldsville, J. H. Spears,	298	8.79	16.31	14.50
10049	Wheat Bran with Ground Screenings not exceeding Mill Run, Eagle Roller Mills Co., New Ulm, Minn.	Carlisle, Frauk E. Thompson.	1149	9.23	15.31	15.45
9536	Bran with Ground Screenings, not exceeding Mill Run, B. A. Eckhart Milling Co., Chicago, Ill.	West Milton, Grove Store Co.	636	9.42	16.38	14.00
9686	Bran with Ground Screenings, B. A. Eckhart Milling Co., Chicago, Ill.	Honesdale, Honesdale Milling Co.	786	10.76	16.25	14.00
	Average,			10.09	16.32	.....
9593	Choice Wheat Bran with Trace of Screenings, Hecker-Jones-Jewell Milling Co., Buffalo, N. Y.	Westfield, H. Z. Pride & Sou.	693	12.01	14.88	15.75
9957	Wheat Bran with Screenings not exceeding Mill Run, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	West Grove, S. K. Chambers & Bro.	1057	10.35	17.25	15.50
8964	Standard Spring Wheat Bran and Mill Run Screenings, Indiana Milling Co., Terre Haute, Ind.	Lancaster, Levau & Sons.	64	10.21	15.50	14.00
10153	Wheat Bran with Mill Run Screenings not to exceed 8%, The Kansas Milling Co., Wichita, Kans.	Doylestown, Henry S. Beidler.	1253	11.92	17.75	15.50
10057	Wheat Bran with Mill Run Screenings not to exceed 8%, The Kansas Milling Co., Wichita, Kans.	Newville, S. E. Shenk & Sons.	1157	9.94	18.75	15.50
	Average,			10.93	18.25	.....
9582	Wheat Bran containing not more than 2% of Ground Screenings, The Wm. Kelly Milling Co., Hutchinson, Kans.	Coudersport, Gates Brothers.	682	10.23	18.25	15.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.01	Per ct. 4.00	Per ct. 10.84	Per ct. 11.07	\$1 45	.....	Wheat bran with ground screenings not exceeding mill run.	10039
4.56	4.00	9.76	10.00	1 30	.....	Wheat bran and ground screenings.	9921
5.13	4.5-6.5	10.00	.....	1 50	.....	Wheat bran and ground screenings.	9555
4.13	4.5-6.5	9.64	13.00	1 40	.....	Wheat bran with ground screenings not exceeding mill run.	10192
4.63	.....	9.82	.....	1 45	.....	Wheat bran with ground screenings.	9127
5.73	4.00	9.68	11.00	1 45	.....	Wheat bran with ground screenings.	
5.80	4.30	9.14	8.30	1 50	.....	Wheat bran and ground screenings.	9206
5.47	4.30	8.72	8.30	1 75	.....	Wheat bran and ground wheat screenings.	9498
5.64	.....	8.93	.....	1 63	.....	Wheat bran and ground wheat screenings.	9198
5.50	4.30	9.24	8.30	1 50	.....	Wheat bran with ground screenings not exceeding mill run.	10349
4.94	3.48	11.61	11.50	1 45	.....	Wheat bran with ground screenings not exceeding mill run.	
5.16	4.00	8.68	11.00	1 45	.....	Wheat bran with ground screenings not exceeding mill run.	9536
5.10	4.00	9.50	11.00	30 00	.....	Wheat bran and ground screenings.	9686
5.13	.....	9.09	.....	29 50	.....	Wheat bran and ground screenings.	
5.30	3.95	10.12	10.36	1 60	Made from pure wheat.	Wheat bran and ground screenings.	9593
4.70	4.00	10.00	11.00	26 00	.....	Wheat bran,	9957
5.28	4.00	10.53	11.00	1 40	.....	Wheat bran and ground screenings.	8964
5.16	3.50	9.65	8.50	25 00	Wheat bran with mill run screenings not to exceed 8%.	As certified,	10153
5.16	3.50	9.65	8.50	25 00	Wheat bran with mill run screenings not to exceed 8%.	As certified,	10057
5.15	.....	8.90	.....	27 00	.....	Wheat bran,	
4.15	3.00	9.50	11.00	1 60	.....	Wheat bran,	9582

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9599	Badger Fancy Mixed Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Wellsboro, Equity Co-Operative Exchange.	693	Per ct. *10.55	Per ct. *12.88	Per ct. 12.00
9104	Fancy Coarse Wheat Bran with Screenings not to exceed Mill Run, Lagrange Mills, Red Wing, Minn.	Johnstown, G. Bostert & Son.	204	9.80	16.56	14.40
10142	Wheat Bran with Mill Run Screenings not to exceed 8%, The Larabee Flour Mills Co., Hutchinson, Kans.	Doylestown, J. W. Stil-wagon & Son.	1242	10.89	16.44	14.50
10052	Wheat Bran with Ground Screenings not exceeding Mill Run, Marshall Milling Co., Marshall, Minn.	Carlisle, S. B. Jackson,	1152	9.88	15.56	15.00
9638	Seal of Minnesota Bran with Ground Screenings not exceeding Mill Run, New Prague Flouring Mill Co., New Prague, Minn.	Millerstown, I. B. Se-erist.	738	10.40	16.69	14.60
9768	Wheat Bran with Ground Screenings not exceeding Mill Run, The Northwestern Elevator & Mill Co., Toledo, Ohio.	Monongahela, D. E. Gamble.	868	10.33	15.19	13.00
9575	Wheat Bran with Ground Screenings not exceeding Mill Run, Pillsbury Flour Mills, Minneapolis, Minn.	Port Allegany, Port Allegany Milling Co.	675	10.22	15.38	14.50
9194	Bran with trace of Screenings, The Southwestern Milling Co., Buffalo, N. Y.	Bradford, C. L. Douglass,	294	9.32	15.81	15.75
10010	Crescent Winter Wheat Bran and Screenings not exceeding Mill Run, Star & Crescent Milling Co., Chicago, Ill.	Canonsburg, Canonsburg Milling Co.	1110	10.36	17.00	15.00
9036	Star Wheat Bran and Screenings, Star & Crescent Milling Co., Chicago, Ill.	Palmyra, Early & Det-weiler.	136	9.53	16.00	15.00
9739	Wheat Bran with Ground Screenings not exceeding Mill Run, St. Mary's Mills, St. Mary's, Mo.	Butler, P. J. Oesterling & Son.	839	10.03	15.13	15.50
9183	Wheat Bran with Screenings, not to exceed Mill Run, Washburn-Crosby Co., Minneapolis, Minn.	Bradford, Smith Brothers,	283	10.49	15.69	14.50
10095	Spring Wheat Bran with Ground Screenings not exceeding Mill Run, Western Canada Flour Mills Co., Ltd., Toronto, Canada.	Manheim, Frank K. Nau-man.	1195	10.63	17.75	16.82
9764	Black Hawk Wheat Bran with Ground Screenings not exceeding Mill Run, Western Flour Mill Co., Davenport, Iowa.	Monessen, Hagerson & Dague.	864	10.31	16.44	14.60
9880	Star Winter Wheat Bran and Scourings not to exceed 8%, The Western Star Mill Co., Salina, Kans.	New Castle, New Castle Feed Co.	980	9.92	17.94	15-17
9757	Bran and Screenings, Unknown.	Charleroi, R. C. Mountser, Average,	857	10.41	15.94	.....
	RYE OFFALS.			10.15	16.32	.....
	Rye Middlings.					
9693	Fine, Commercial Milling Co., Detroit, Mich.	Honesdale, W. B. Holmes,	793	12.03	17.06	14.00
9163	..... The North Star Feed & Cereal Co., Minneapolis, Minn.	Greensburg, McFarland Supply Co.	263	11.02	16.94	14.50

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. *6.57	Per ct. 4.00	Per ct. *5.37	Per ct. 9.00	*\$1 60	Maize red dog flour, and wheat bran with ground screenings not exceeding mill run.	As certified,	9599
5.45	3.70	9.46	12.40	28 00	.....	Wheat bran and ground screenings.	9104
4.50	3.50	9.26	10.00	1 40	.....	Wheat bran and mill run ground screenings.	10142
5.32	4.80	11.28	11.80	1 40	.....	Wheat bran and ground screenings not exceeding mill run.	10052
5.33	4.75	9.64	11.00	1 50	.....	Wheat bran and ground screenings not exceeding mill run.	9638
4.20	4.00	8.24	6.50	1 50	.....	Wheat bran and ground screenings not exceeding mill run.	9768
5.20	4.00	10.52	12.00	1 55	.....	Wheat bran and ground screenings not exceeding mill run.	9575
5.50	3.95	10.17	10.36	1 50	Made from pure wheat.	Wheat brand and trace of ground screenings.	9194
3.92	4.00	8.90	10.00	26 00	.....	Wheat bran,	10010
5.14	4.00	10.00	10.00	1 40	.....	Wheat bran and ground screenings.	9036
4.08	4.00	9.57	11.00	1 45	.....	Wheat bran and ground screenings not exceeding mill run.	9739
5.82	4.00	10.08	12.00	27 00	.....	Wheat bran and ground screenings.	9183
5.25	5.50	9.00	10.86	26 00	.....	Wheat bran and ground screenings not exceeding mill run.	10095
5.23	4.75	9.45	11.00	1 60	.....	Wheat bran and ground screenings not exceeding mill run.	9764
5.00	3-4	9.39	9.6-10	1 35	.....	Wheat bran and scourings.	9880
4.74	.....	9.72	.....	1 60	.....	Wheat bran,	9757
5.03	.....	9.66	.....	29 03	.....	.....	.....
3.04	3.00	3.82	4.50	1 60	.....	Rye middlings,	9693
3.33	1.50	4.69	5.20	1 50	.....	Rye middlings,	9163

*Excluded from average.

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9476	..... The North Star Feed & Cereal Co., Minneapolis, Minn.	Quakertown, Allen K. Smith.	576	Per et. 10.82	Per et. 16.19	Per et. 14.50
	Mixed Feed—Rye By-Products.	Average, .....	.....	11.29	16.73	.....
9841	Pure Globe Rye Feed, Globe Milling Co., Watertown, Wis.	Mechanicsburg, A. B. Harnish.	941	10.84	16.50	15.00
9784	Rye Bran and Rye Middlings, F. H. Hagerman, Towanda, Pa.	Towanda, F. H. Hagerman.	884	10.50	13.13	.....
	OAT BY-PRODUCTS.	Average, .....	.....	10.67	14.82	.....
10033	Oat Feed, Robin Hood Mills, Ltd., Moose Jaw, Cauada.	Manheim, Frank K. Nauman.	1193	6.67	8.19	5.25
	BUCKWHEAT OFFALS.					
	Buckwheat Middlings.					
9786	..... Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	886	9.62	20.31	10-18
10037	..... Kerr Hill Mill Co., Ltd., Titusville, Pa.	Titusville, Kerr Hill Mill Co., Ltd.	1137	8.45	26.94	.....
9913	..... Mack Brothers, Titusville, Pa.	Warren, Warren City Mills	1013	10.30	29.50	.....
10033	..... Titusville City Mills, Titusville, Pa.	Titusville, Titusville City Mills.	1133	13.33	28.81	.....
	Buckwheat Feed.	Average, .....	.....	10.42	26.39	.....
10133	..... Wm. A. Coombs Milling Co., Coldwater, Mich.	Erie, Erie Milling & Supply Co.	1233	8.73	13.88	.....
9731	..... H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	831	10.03	11.69	10-14
	ALFALFA MEAL.	Average, .....	.....	9.38	12.79	.....
10063	..... Ameriean Milling Co., Peoria, Ill.	Shippensburg, Allison & Fogelsonger.	1163	6.11	14.00	.....
10164	..... The Denver Alfalfa Milling & Products Co., Hartmen, Colo.	Lansdale, F. P. Cassel & Son.	1264	7.95	13.75	12.00
9131	..... The Albert Dickinson Co., Chicago, Ill.	South Fork, J. E. Crisman	231	6.66	13.88	12.00
9728	..... The Albert Dickinson Co., Chicago, Ill.	Washington, C. S. Hunter & Co.	828	9.84	16.19	12.00
9339	..... The Albert Dickinson Co., Chicago, Ill.	Blairsville, Geo. J. New.	439	7.50	14.06	12.00
	Average, .....	.....	.....	8.00	14.71	.....
9670	Pure, National Feed Co., St. Louis, Mo.	East Stroudsburg, J. M. Wyckoff.	770	8.70	15.13	14.00
9156	Lucerne Pure Ground, M. C. Peters Mill Co., Omaha, Nebr.	Greensburg, D. F. Kilgore & Co.	256	8.28	15.00	12.00
9904	Pure Dustless, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kans.	Kane, Swanson Grocery Co.	1004	9.05	14.56	14.00
	DRIED BEET PULP.	Total average, .....	.....	8.01	14.57	.....
9389	..... Hotelet & Co., Milwaukee, Wis.	Sunbury, Blank & Gottshall.	489	7.00	10.81	8.00
10070	..... Hotelet & Co., Milwaukee, Wis.	Chambersburg, Diehl, Omwake & Diehl.	1170	8.77	8.00	.....
9054	..... Hotelet & Co., Milwaukee, Wis.	Reading, Aug. C. Wertz & Bro.	154	9.71	8.13	8.00
	Average, .....	.....	.....	8.16	8.98	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Found.	Guaranteed.				
Per. ct. 3.48	Per. ct. 1.50	Per. ct. 4.82	Per. ct. 5.20	\$1 45	.....	Rye middlings,	9476
3.30	.....	4.44	.....	1 48	.....	.....	.....
3.80	3.50	6.70	7.00	28 00	.....	Rye bran and middlings and trace of screenings.	9841
2.61	.....	3.41	.....	30 00	Rye bran and rye middlings.	Rye bran, rye middlings and trace of whole rye and buckwheat hulls.	9784
3.21	.....	5.65	.....	29 00	.....	.....	.....
4.14	2.50	20.24	28.00	23 00	.....	Oat feed,	10093
5.30	2-5	18.50	20-40	20 00	.....	Buckwheat middlings,	9786
6.27	.....	17.35	.....	30 00	.....	Buckwheat middlings,	10037
7.29	.....	14.11	.....	1 65	.....	Buckwheat middlings,	9913
7.89	.....	4.36	.....	30 00	.....	Buckwheat middlings,	10033
6.69	.....	13.58	.....	28 25	.....	.....	.....
4.45	.....	30.24	.....	1 25	.....	Buckwheat middlings and hulls.	10133
3.03	3-5	32.70	28-33	1 20	.....	Buckwheat middlings and hulls.	9731
3.74	.....	31.47	.....	1 23	.....	.....	.....
2.16	.....	31.27	.....	1 45	.....	Alfalfa meal,	10063
1.93	1.50	25.42	35.00	1 45	Made from alfalfa hay.	As certified,	10164
1.65	1.00	33.40	35.00	1 80	Made from alfalfa hay.	As certified,	9131
1.84	1.00	29.45	35.00	2 25	Made from alfalfa hay.	As certified,	9728
2.01	1.00	30.28	35.00	2 00	Made from alfalfa hay.	As certified,	9339
1.83	.....	31.04	.....	2 02	.....	.....	.....
1.78	1.25	32.50	33.00	29 00	.....	Alfalfa meal,	9670
1.78	0.50	27.87	33.00	2 00	.....	Alfalfa meal,	9156
2.13	1.50	29.04	30.00	32 00	Alfalfa,	As certified,	9904
1.91	.....	29.90	.....	35 00	.....	.....	.....
0.98	0.50	19.52	20.00	28 00	.....	Dried beet pulp,	9389
0.99	.....	19.72	.....	28 00	.....	Dried beet pulp,	10070
1.36	0.50	18.71	20.00	28 00	.....	Dried beet pulp,	9034
1.11	.....	19.31	.....	28 00	.....	.....	.....

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10151	..... The Larrowe Co., Detroit, Mich.	Milling	Doylestown, Henry S. Heidler.	1251	Per ct. 8.15	Per ct. 9.00
9101	..... The Larrowe Co., Detroit, Mich.	Milling	Johnstown, G. Bostert & Son.	201	10.00	9.25
9165	..... The Larrowe Co., Detroit, Mich.	Milling	Mount Pleasant, J. H. Brown & Son.	265	9.28	9.13
9772	..... The Larrowe Co., Detroit, Mich.	Milling	Monongahela, D. E. Gamble.	872	9.04	10.00
9069	..... The Larrowe Co., Detroit, Mich.	Milling	Kutztown, Heffner Dietrich Co.	169	8.40	8.19
10165	..... The Larrowe Co., Detroit, Mich.	Milling	Conshohocken, Henderson Supplee & Son.	1265	9.44	9.00
10012	..... The Larrowe Co., Detroit, Mich.	Milling	Braddock, John Lachman,	1112	10.28	8.19
.9122	..... The Larrowe Co., Detroit, Mich.	Milling	Johnstown, Swope Brothers.	222	7.31	9.50
9723	..... The Larrowe Co., Detroit, Mich.	Milling	Honston, W. M. Templeton & Sons.	823	9.81	9.88
9115	..... The Larrowe Co., Detroit, Mich.	Milling	Windber, Weaver & Berkeley.	215	10.40	8.44
9975	..... The Larrowe Co., Detroit, Mich.	Milling	Media, C. Frank Williamson.	1075	9.80	8.56
9668	..... The Larrowe Co., Detroit, Mich.	Milling	East Stroudsburg, J. M. Wyckoff.	768	9.29	9.56
		Average, .....	.....	9.26	9.06	.....
		Total average, .....	.....	9.04	9.04	.....
8974	Dried Beet Pulp and Molasses, The Larrowe Milling Co., Detroit, Mich.		Elizabethtown, Lehman & Wolgemuth.	74	7.35	9.13
	MIXED FEEDS.					
	PROPRIETARY DAIRY FEEDS.					
9380	Cow Feed, Blank & Gottshall, Sunbury, Pa.		Sunbury, Blank & Gottshall.	480	8.50	14.56
10064	Unicorn Dairy Ration, Chapin & Co., Hammond, Ind.		Shippensburg, Allison & Fogelsonger.	1164	7.25	27.56
9891	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.		Paoli, Edward F. Bracken,	1091	7.97	27.25
9571	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.		Emporium, Emporium Milling Co.	671	7.10	26.00
						26.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$27.00	Residue of sugar beets dried after extraction of sugar.	As certified,	16151
1.17	0.50	20.14	20.00		Residue of sugar beets dried after extraction of sugar.	As certified,	9101
1.20	0.50	18.19	20.00	29.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9165
1.14	0.50	18.20	20.00	1.50	Residue of sugar beets dried after extraction of sugar.	As certified,	9772
1.03	0.50	18.34	20.00	27.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9069
0.93	0.50	18.19	20.00	28.00	Residue of sugar beets dried after extraction of sugar.	As certified,	10165
1.06	0.50	19.35	20.00	28.00	Residue of sugar beets dried after extraction of sugar.	As certified,	10012
1.10	0.50	20.26	20.00	28.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9122
0.48	0.50	18.26	20.00	30.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9723
1.17	0.50	17.95	20.00	27.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9115
1.20	0.50	18.18	20.00	28.00	Residue of sugar beets dried after extraction of sugar.	As certified,	8975
0.82	0.50	19.49	20.00	32.00	Residue of sugar beets dried after extraction of sugar.	As certified,	9668
0.94	0.50	18.95	20.00	30.00	Residue of sugar beets dried after extraction of sugar.	As certified,	8974
1.02	.....	18.37	.....	28.67			
1.04	.....	18.56	.....	28.53			
1.16	0.50	17.43	18.00	27.00	Dried beet pulp, 90% beet molasses, 10%.	As certified,	9380
6.39	5-6	7.96	7-8	30.00	Corn bran, oats chop, barley chop and cottonseed meal.	As certified,	10261
8.06	5.50	10.75	10.00	35.00	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9991
7.58	5.50	11.24	10.00	37.00	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9571
6.45	5.50	10.89	10.00	1.75	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.		

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9604	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	Wellsboro, Equity Co-Operative Exchange.	704	Per ct. 7.44	Per ct. 25.94	Per ct. 26.00
9578	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	Coudersport, Gates Brothers.	678	7.63	27.00	26.00
9765	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	Monessen, Hagerson & Dague.	865	7.08	26.19	26.00
9510	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	St. Marys, Hall, Kaul & Hyde Co.	610	7.41	27.13	26.00
9552	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	Wilkinsburg, Johnson & Smith.	652	7.81	26.06	26.00
9741	Unicorn Dairy Ration, Chapin Co., Hammond, Ind.	Butler, Geo. Walter & Sons.	841	6.91	28.13	26.00
9744	Dewey's Ready Ration, The Dewey Brothers Co., Blanchester, Ohio.	Average, .....	.....	7.33	26.81	.....
		Butler, B. F. Shannon & Co.	844	7.31	25.88	25.00
9797	Dewey's Ready Ration, The Dewey Brothers Co., Blanchester, Ohio.	Meshoppen, Sterling & Sherwood.	897	7.47	26.38	25.00
		Average, .....	.....	7.39	26.13	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Per cent.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Per cent.	Guaranteed.	Found.	Guaranteed.				
6.15	5.50	10.90	10.60	\$1 70	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9604	
6.38	5.50	10.56	10.00	1 70	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9578	
6.25	5.50	11.52	10.00	34 00	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9715	
6.06	5.50	10.07	10.00	2 00	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9510	
5.91	5.50	10.94	10.00	1 85	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9552	
6.93	5.50	10.70	10.00	1 80	Corn distillers grains, cottonseed meal, linseed meal, hominy meal, gluten feed, (corn starch by-product with corn bran) barley feed, malt sprouts, wheat bran and brewers grains.	As certified,	9741	
6.71	.....	10.84	.....	35 78				
6.71	7.00	9.90	9.00	1 70	Eagle distillers grains, old process oil meal, cottonseed meal, malt sprouts, wheat bran, wheat middlings, hominy feed and $\frac{1}{2}$ per cent. salt.	As certified,	9744	
7.21	7.00	11.08	9.00	1 75	Eagle distillers grains, old process oil meal, cottonseed meal, malt sprouts, wheat bran, wheat middlings, hominy feed and $\frac{1}{2}$ per cent. salt.	As certified,	9797	
6.96	.....	10.44	.....	1 73				

TABLE IV.—ANALYSES OF SAMPLES OF

Craenist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9471	Glen Oak Dairy Feed, Edwards & Loomis Co., Chicago, Ill.	East Mauch Chunk, Stemler Brothers.	571	Per ct. 9.84	Per ct. 17.06	Per ct. 15.00
9174	Purity Milk Marker, Jamestown Electric Mills, Jamestown, N. Y.	Bradford, L. A. Fischer & Co.	274	6.86	25.69	22-24
9871	Badger Hi-Protein Cow Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	New Castle, Fisher & Mengle.	971	8.78	24.19	24.00
9948	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	West Chester, Isaac H. Bailey.	1048	9.10	21.19	19.00
10148	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Doylestown, Henry S. Beidler.	1248	8.78	20.13	19.00
9958	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	West Grove, L. P. & R. W. Good.	1058	8.51	20.94	19.00
9070	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Kutztown, Heffner, Dietrich Co.	170	8.48	20.63	19.00
9172	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Indiana, Hetrick, Wilson & Co.	272	8.34	21.63	19.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.06	Per ct. 3.50	Per ct. 8.73	Per ct. 9.00	\$1.85	Alfalfa meal, wheat bran, linseed meal, corn feed meal, gluten meal and cottonseed meal.	As certified,	9471
7.81	7-9	9.62	9-11	1.75	Distillers dried grains, wheat bran, wheat middlings, corn gluten feed, cottonseed meal, linseed oil meal, corn meal, malt sprouts and a small percentage of fine salt.	As certified,	9174
5.44	5.00	9.73	10.00	1.80	Hominy feed, corn oil meal, wheat bran, wheat middlings, brewers grains, cottonseed meal, malt sprouts, cream flakes, (corn bran) and $\frac{1}{2}$ of 1 per cent salt.	As certified,	9871
3.77	3.00	11.88	14.00	34.00	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn), dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1 per cent salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified,	9948
4.25	3.00	13.68	14.00	34.00	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn) dried beet pulp, standard wheat bran, standard wheat middlings, and $\frac{3}{4}$ of 1 per cent salt.	As certified,	10148
3.37	3.00	11.90	14.00	35.00	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn), dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1 per cent salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified,	9958
3.96	3.00	11.32	14.00	34.00	Cottonseed meal, gluten feed, (corn starch by-product with corn bran) dried distillers grains, (mainly from corn), dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified,	9070
4.54	3.00	11.43	14.00	33.00	Cottonseed meal, gluten feed, (corn starch by-product with corn bran), dried distillers grains (mainly from corn), dried beet pulp, wheat bran, wheat middlings, and $\frac{3}{4}$ of 1 per cent salt.	As certified,	9172

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9736	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Butler, H. J. Klingler & Co.	836	Per ct. 9.52	Per ct. 20.13	Per ct. 19.00
8969	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Elizabethtown, Brothers.	Muth	69	8.95	19.94
9878	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	New Castle, New Castle Feed Co.	978	8.95	21.06	19.00
9137	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Philipsburg, J. O. Reed,	237	8.70	19.69	19.00
9477	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Quakertown, Allen K. Smith.	577	9.12	19.13	19.00
9514	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	DuBois, A. T. Sprinkle,	614	9.68	21.13	19.00
9415	Larro-Feed, The Larrowe Milling Co., Detroit, Mich.	Lock Haven, E. E. Wentz	515	9.51	20.00	19.00
Average,				8.92	20.47	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 3.52	Per ct. 3.00	Per ct. 11.71	Per ct. 14.00	\$1.80	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn), dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1 per cent salt, wheat bran and wheat middlings may contain ground screenings, not exceeding mill run.	As certified, 9736
4.79	3.00	10.85	14.00	32.00	Cottonseed meal, gluten feed, (corn starch by-product with corn bran), dried distillers grains (mainly from corn), dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified, 8969
3.83	3.00	11.62	14.00	1.70	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn), dried beet pulp, standard wheat bran, standard wheat middlings, and $\frac{3}{4}$ of 1 per cent salt, wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified, 9878
3.96	3.00	11.82	14.00	1.75	Cottonseed meal, gluten feed corn starch by-product with corn bran, dried distillers grains, (mainly from corn), dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified, 9137
3.98	3.00	12.76	14.00	1.60	Cottonseed meal, gluten feed (corn starch by-product with corn bran), dried distillers grains, (mainly from corn), dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified, 9477
3.64	3.00	11.47	14.00	1.75	Cottonseed meal, corn gluten feed, dried distillers grains, (mainly from corn), dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified, 9514
4.05	3.00	12.37	14.00	33.00	Cottonseed meal, gluten feed (corn starch by-product with corn bran) dried distillers grains (mainly from corn), dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1 per cent salt.	As certified, 9415
3.97	.....	11.90	.....	33.92		

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10166	Mingo-Larrove's High Protein Feed for Dairy Cows, The Larrove Milling Co., Detroit, Mich.	Wellsboro, Farmers Feed Store.	1206	Per ct. 8.09	Per ct. 25.81	Per ct. 25.00
9660	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	760	9.17	21.50	15.00
9802	Best Mixed Feed for Cows, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	902	10.17	20.25	15.00
		Average, .....	.....	9.67	20.88	.....
9520	McMahan's Concentrated Protein Feed, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan,	620	7.35	29.38	28-30
9527	Milk & Muscle Producer, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan,	627	7.42	25.81	23-25
9694	Mihimico Dairy Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	794	10.02	23.31	15-17
9695	Mihimico Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	795	10.23	13.19	14-15
9330	Pritts Alfalfa Cow Feed, J. E. Pritts, Scottdale, Pa.	Scottdale, J. E. Pritts, ..	490	11.10	18.94	20-24
8990	Buckeye Feed, The Quaker Oats Co., Chicago, Ill.	Bedford, Davidson Brothers.	90	9.70	17.31	15.50
9869	Buckeye Feed, The Quaker Oats Co., Chicago, Ill.	New Castle, F. W. Hutchinson & Son.	969	10.71	16.75	15.50
9888	Buckeye Feed, The Quaker Oats Co., Chicago, Ill.	Sharon, J. M. Porter,	988	9.57	18.06	15.50
		Average, .....	.....	9.99	17.37	.....
9902	Boveta Cotton Seed Hull & Meal Mixture, The Southern Cotton Oil Co., Charlotte, N. C.	Mapleton, H. O. Andrews	99	8.48	17.63	17.00
9802	Boveta Cotton Seed Hull & Meal Mixture, The Southern Cotton Oil Co., Charlotte, N. C.	Huntingdon, L. S. Goodman.	102	8.13	19.94	17.00
		Average, .....	.....	8.30	18.79	.....
9277	Royal Feed, Southern Fibre Co., Portsmouth, Va.	Womelsdorf, Wagner & Enrich.	177	7.82	22.50	22.00
9050	Royal Feed, Southern Fibre Co., Portsmouth, Va.	Atron, C. Z. Weiss,	150	8.13	20.19	22.00
		Average, .....	.....	7.97	21.35	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 4.41	Per ct. 4.00	Per ct. 12.93	Per ct. 12.00	\$1 70	Beet pulp, cottonseed meal, malt sprouts, corn gluten feed, linseed oil meal, wheat bran which may contain ground screenings not exceeding mill run, dried distillers grains (mainly from corn) and $\frac{1}{4}$ of 1 per cent salt.	As certified, 16163
5.95	5.00	7.63	8.00	1 80	Middlings, corn meal, linseed meal and gluten.	As certified, 9660
5.90	5.00	7.10	8.00	1 85	Middlings, corn meal, linseed meal and gluten.	As certified, 9802
5.93	.....	7.36	.....	1 83		
5.01	7-8	12.73	11.00-11.50	32 00	Brewers dried grains, malt sprouts and cottonseed meal.	As certified, 9520
5.58	7-9	10.21	10-11	30 00	Brewers' dried grains, malt sprouts, cottonseed meal, and hominy meal.	As certified, 9527
6.44	5-7	8.23	7-9	1 80	Hominy feed, alfalfa meal, wheat middlings, oil meal, buckwheat middlings, brewers' dried grain and salt.	Hominy feed, alfalfa meal, wheat bran, wheat middlings, linseed oil meal, buckwheat middlings, brewers dried grains, kaffir corn and salt. 9694
5.82	5-7	6.56	8-10	1 90	Alfalfa, hominy feed, middlings, corn, oats, oil meal and salt.	As certified, 9695
4.91	5-8	7.48	9.00	1 60	Wheat bran, wheat middlings, corn, alfalfa meal, cottonseed meal and oil meal.	As certified, 9390
4.96	4.50	7.15	8.50	1 40	Mixed wheat feed with ground screenings not exceeding mill run and rye shorts.	As certified, 8990
5.12	4.50	7.61	8.50	1 40	Mixed wheat feed with ground screenings not exceeding mill run and rye shorts.	As certified, 9869
4.98	4.50	8.34	8.50	1 50	Mixed wheat feed with ground screenings not exceeding mill run and rye shorts.	As certified, 9888
5.02	.....	7.70	.....	1 43		
6.67	3.50	28.23	30.00	27 00	.....	Cottonseed meal and cottonseed hulls. 8999
4.10	3.50	26.18	30.00	1 25	.....	Cottonseed meal and cottonseed hulls. 9002
5.39	.....	27.20	.....	26 00		
4.33	4.00	22.31	22.00	1 40	Cottonseed meal and cottonseed hulls.	As certified, 9077
4.93	4.00	23.01	22.00	1 30	Cottonseed meal and cottonseed hulls.	As certified, 9050
4.66	.....	22.66	.....	1 35		

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9112	Cremo Brand Cotton Seed Feed Meal, Tennessee Fibre Co., Memphis, Tenn.	Windber, Claude Davis,...	212	Per ct. 9.15	Per ct. 23.06	Per ct. 20.00
9011	Cremo Brand Cotton Seed Feed Meal, Tennessee Fibre Co., Memphis, Tenn.	Altoona, H. H. Langdon,	111	9.00	21.44	20.00
9169	Cremo Brand Cotton Seed Feed Meal, Tennessee Fibre Co., Memphis, Tenn.	Windber, L. B. Reeser,	209	9.22	21.81	20.00
		Average, .....	.....	9.12	22.10	.....
9607	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Wellshoro, Geo. C. & F. A. Brooks.	707	8.70	24.31	24.00
10128	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Erie, Erie Milling & Supply Co.	1228	8.45	24.33	24.00
9781	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Towanda, F. H. Hagerman.	881	7.37	24.63	24.00
9021	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Palmyra, J. H. Kettering & Son.	121	7.61	25.31	24.00
8977	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Elizabethtown, Lehman & Wolgemuth.	77	6.83	25.31	24.00
9566	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Emporium, E. J. Rogers,	666	8.57	24.56	24.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.	Guaranteed.	Found.	Guaranteed.	Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	\$1.65	Choice cottonseed meal cottonseed hull bran.	As certified,	9112
5.50	5.00	22.05	22.00	25.00	30.00	Choice cottonseed meal cottonseed hull bran.	As certified,	9011
4.60	5.00	22.73	22.00	1.60	Choice cottonseed meal cottonseed hull bran.	As certified,	9109	
4.53	5.00	22.44	22.00	31.67	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	9607	
4.88	.....	22.40	.....	32.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	10128
6.66	7.00	9.50	9.00	33.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	9781	
6.24	7.00	10.26	9.00	34.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	9021	
6.43	7.00	10.13	9.00	34.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	8977	
7.04	7.00	9.11	9.00	34.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified,	9566	
7.92	7.00	8.85	9.00	34.00	Fourex distillers dried grains, choice cottonseed meal, old process, linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ of 1 per cent. fine table salt.	Corn, distillers dried grains, cottonseed meal, old process linseed meal, wheat middlings, wheat bran, hominy meal, barley malt sprouts, wheat and salt.		
5.72	7.00	9.06	9.00	1.75				

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9435	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio	Allentown, The Geo. B. Shelly Estate.	535	Per et. 8.90	Per et. 24.94	Per et. 24.00
9496	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Ridgway, Smith Brothers Co.	596	8.81	24.63	24.00
10079	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Chambersburg, J. H. Smith & Sons.	1179	6.87	24.88	24.00
9906	Union Grains-Biles Ready Dairy Ration, The Ubiko Milling Co., Cincinnati, Ohio.	Kane, J. A. Stoll & Co., ..	1006	8.12	24.19	24.00
9566	Dairy Feed, J. M. Wyckoff, East Stroudsburg, Pa.	Average, .....	.....	8.02	24.71	.....
		East Stroudsburg, J. M. Wyckoff.	766	9.90	17.44	15.00
PROPRIETARY DAIRY FEEDS, WITH MOLASSES.						
10061	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Shippensburg, Allison & Fogelsonger.	1161	12.03	17.66	16.50
8933	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Littlestown, D. E. Buckey & Son.	33	11.69	16.52	16.50
9275	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Muncy, City Flouring Mills, Inc.	375	9.44	16.00	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Guaranteed.	Found.				
Per ct.	Per ct.	Per ct.	Per ct.			
6.34	7.00	9.03	9.00	\$1 75	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ of 1 per cent. fine table salt.	As certified, 9435
5.99	7.00	9.58	9.00	1 90	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley malt sprouts, and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9496
6.30	7.00	9.92	9.00	31 00	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified, 10079
6.16	7.00	10.06	9.00	36 00	Fourex distillers dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, barley malt sprouts, and $\frac{1}{2}$ per cent. of fine table salt.	As certified, 9906
6.48	.....	9.55	.....	34 50		
4.25	3.00	7.21	9.00	32 00	Shelled and ear corn, cottonseed meal, old process oil meal, gluten, dried brewers' grains, malt sprouts, wheat bran and wheat middlings.	As certified, 9666
4.77	3.50	11.53	12.00	26.00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product linseed meal and salt.	As certified, 10061
6.07	3.50	10.92	9.00	1 35	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 8933
4.34	3.50	13.21	12.00	28 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal, salt and trace of whole weed seeds.	9275

TABLE IV.--ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9066	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Kutztown, W. W. Feick Co.	166	Per cent. 13.30	Per cent. 16.43	Per cent. 16.50
9541	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Mifflinburg, R. Foster & Son.	641	9.33	18.44	16.50
9771	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Monongahela, D. E. Gamble.	871	13.09	15.90	16.50
9833	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Mechanicsburg, A. B. Harnish.	938	9.31	16.88	16.50
9952	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	West Chester, E. Dallet Hemphill.	1052	10.00	17.94	16.50
10053	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Carlisle, S. B. Jackson, ..	1153	11.50	20.23	16.50
9.04	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Brookville, Kline's Sifter Mills.	304	8.06	17.63	16.50
9425	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Howard, W. H. Long,	525	12.59	18.89	16.50
9636	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Mifflin, W. H. Manbeck & Son.	736	9.94	17.45	16.50
10091	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Manheim, Frank K. Nauman.	1191	9.09	16.94	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.85	Per ct. 3.50	Per ct. 13.41	Per ct. 9.00	\$26 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9066
6.97	3.50	14.46	9.00	29 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9541
4.57	3.50	12.37	12.00	27 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9771
5.11	3.50	12.42	9.00	25 50	Molasses, cottouseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9838
4.48	3.50	11.78	12.00	28 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9952
5.27	3.50	11.21	12.00	1 35	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	10053
7.24	3.50	11.72	9.00	28 00	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal, salt and trace of small whole weed seeds.	9204
5.58	3.50	10.04	12.00	1 40	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9425
5.77	3.50	11.02	9.00	1 35	Cottonseed meal, gluten feed, molasses, oat clippings, ground and bolted grain screenings and $\frac{1}{2}$ of 1 per cent. salt.	Molasses, cottonseed meal, gluten feed, oat clippings, ground and bolted grain screenings, $\frac{1}{2}$ of 1 per cent. salt and trace of whole small weed seeds.	9636
5.93	3.50	12.90	12.00	25 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	10091

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
8988	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Bedford, D. W. Prosser & Son.	88	Per cent. 12.69	Per cent. 19.51	Per cent. 16.50
9437	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Allentown, The Geo. B. Shelly Estate.	537	9.51	16.94	16.50
9724	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Houston, W. M. Templeton & Sons,	824	10.05	17.94	16.50
9795	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Meshoppen, C. B. Tyler,	895	10.14	15.88	16.50
9939	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Gap, Jos. C. Walker & Sons Co.	1039	8.44	15.38	16.50
9974	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Media, C. Frank Williamsou.	1074	9.55	15.56	16.50
9168	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Irwin, T. E. Wilson,	268	12.70	17.97	16.50
9040	Sucrene Dairy Feed, American Milling Co., Peoria, Ill.	Myerstown, S. T. Yost, ..	140	8.76	17.88	16.50
		Average, .....	.....	10.51	17.34	.....
10003	Tip Top Sugar Feed, The American Milling Co., Peoria, Ill.	Canonsburg, W. H. Dunlap, Jr.	1103	9.16	16.88	12.00
9973	Tip Top Sugar Feed, The American Milling Co., Peoria, Ill.	Media, C. Frank Williamsou.	1073	9.73	11.88	12.00
		Average, .....	.....	9.44	14.38	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found	Guaranteed				
Per ct. 7.15	Per ct. 3.50	Per ct. 10.57	Per ct. 9.00	\$1 35	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 8988
4.94	3.50	13.07	12.00	1 40	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9437
5.78	3.50	12.15	12.60	24 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9724
5.36	3.50	13.81	12.00	27 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	Molasses, corn gluten feed, cottonseed meal, ground and bolted grain screenings, clipped oat by-product, linseed meal, salt and trace of small weed seeds. 9795
5.82	3.50	13.26	12.00	25 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9939
5.12	3.50	14.03	12.00	28 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9974
5.72	3.50	11.00	9.00	26 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9168
5.44	3.50	13.64	9.00	25 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified, 9040
5.61	.....	12.31	.....	26 74		
5.10	2.50	12.36	12.00	24 00	Ground and bolted grain screenings, molasses, clipped oat by-product, cottonseed meal and salt.	As certified, 10003
4.62	2.50	12.84	12.00	24 00	Ground and bolted grain screenings, molasses, clipped oat by-product, cottonseed meal and salt.	As certified, 9973
4.86	.....	13.10	.....	24 00		

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9378	Dairy Feed, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	478	Per ct. 9.28	Per ct. 18.94	Per ct. 19.50-20.50
9737	Bar-X Dairy Feed, The Buckeye Cereal Co., Massillon, Ohio.	Butler, P. J. Oesterling & Son.	837	9.38	17.06	16-17
10044	Malto Dairy Feed, The Buckeye Cereal Co., Massillon, Ohio.	Franklin, Johnson & Co.,	1144	8.54	27.38	27-29
9738	Malto Dairy Feed, The Buckeye Cereal Co., Massillon, Ohio.	Butler, P. J. Oesterling & Son.	838	12.12	25.77	27-29
		Average, .....	.....	10.33	26.58	.....
9691	Creamai Dairy Feed, Chesbro Milling Co., Salamanca, N. Y.	Honesdale, W. B. Holmes,	791	11.18	18.33	16-18
8955	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Lancaster, John W. Eshelman.	55	14.45	18.00	16.50
9953	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	West Grove, L. P. & R. W. Good.	1059	12.70	17.13	16.50
9924	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Coatesville, Handwork Brothers.	1024	13.23	17.84	16.50
9068	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Kutztown, Heffner, Dietrich Co.	168	14.88	16.42	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.			
4.60	4-5	9.53	10-11	\$32.00	Beet pulp, corn bran, gluten feed, wheat bran, buckwheat middlings, dried brewers grains, cottonseed meal, oil meal, alfalfa, molasses and oats chop.	As certified, 9378
4.85	3-4	15.40	15-17	1.40	Cottonseed meal, distillers dried grains, grain screenings, malt sprouts, salt and molasses.	As certified, 9737
3.84	4-5	11.98	11-13	1.75	Malt sprouts, distillers dried grains, cottonseed meal, barley feed, molasses and salt.	As certified, 10044
3.88	4-5	11.54	11-13	1.70	Malt sprouts, distillers dried grains, cottonseed meal, barley feed, molasses and salt.	As certified, 9733
3.86	.....	11.76	.....	1.73		
6.43	3-6	11.40	9-11	1.40	Cottonseed meal, distillers grains, malt sprouts, ground wheat screenings and molasses.	Cottonseed meal, distillers dried grains, malt sprouts, ground wheat screenings, molasses and small amount of oat hulls and whole small weed seeds. 9691
5.09	3.50	10.67	9.00	25.00	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses and a small percentage of salt.	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses, a small percentage of salt and trace of whole small weed seeds. 8955
3.79	3.50	13.56	12.00	27.00	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses and a small percentage of salt.	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses, a small percentage of salt and trace of whole small weed seeds. 9959
3.94	3.50	15.04	12.00	27.00	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses and a small percentage of salt.	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses, a small percentage of salt and trace of whole small weed seeds. 9924
3.65	3.50	11.82	9.00	23.00	Cottonseed meal, corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, oat clippings, molasses and a small percentage of salt.	As certified, 9058

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9965	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	West Chester, C. C. Hippie & Son.	1065	Per cent. 13.78	Per cent. 15.36	Per cent. 16.50
9873	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Montrose, J. M. Jeffers & Co.	773	12.37	18.23	16.50
9020	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Palmyra, J. H. Kettering & Son.	120	15.46	17.01	16.50
10112	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Linesville, Linesville Milling Co.	1212	14.80	18.21	16.50
10059	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Newville, H. Manning & Son.	1159	13.38	16.02	16.50
8972	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Elizabethtown, Muth Brothers.	72	13.83	18.31	16.50
10057	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Shippensburg, Nickles & Stewart.	1167	11.17	15.93	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$26 00	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	Cottonseed meal, corn gluten feed, mixed broken grain, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses, a small percentage of salt and trace of whole weed seeds.	9965
3.69	3.50	14.17	12.00			As certified,	9673
5.39	3.50	13.17	9.00	1 25	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.		
4.98	3.50	10.76	9.00	24 00	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	As certified,	9030
4.63	3.50	12.80	9.00	1 20	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	Cottonseed meal, small amount of corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	10112
4.35	3.50	13.34	12.00	27 00	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	Cottonseed meal, small amount of corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	10059
5.25	3.50	10.64	9.00	25 00	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	As certified,	8972
4.07	3.50	14.60	12.00	25 00	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	Cottonseed meal, small amount of corn gluten feed, mixed broken grains consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product molasses, small percentage of salt and trace of small whole weed seeds.	10067

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9283	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Canton, Preston Brothers,	383	Per et. 14.39	Per et. 15.84	Per et. 16.50
8959	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Lancaster, Shreiner & Son.	59	13.95	17.04	16.50
10048	Clover Leaf Dairy Feed, Clover Leaf Milling Co., Buffalo, N. Y.	Carlisle, Frank E. Thompson	1148	11.82	18.25	16.50
		Average, .....	.....	13.58	17.13	.....
9044	Crystaleoid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Myerstown, E. L. Bleistein.	144	11.94	19.14	16.50
8950	Home Made Dairy Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	50	9.12	22.69	20-22
9351	Anchor Dairy Feed, Globe Elevator Co., Buffalo, N. Y.	West End Punxsutawney, Lindsey Milling Co.	451	14.65	18.41	18-20
9752	International Cattle Feed, International Sugar Feed Co., Minneapolis, Minn.	Parnassus, Johuston & Hamilton.	852	11.70	29.00	25.00
9029	International Climax Feed, International Sugar Feed Co., Minneapolis, Minn.	Palmyra, J. H. Kettering & Son.	129	12.01	15.20	12.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.26	Per ct. 3.50	Per ct. 12.97	Per ct. 9.00	\$1.30	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	As certified,	9283
4.17	3.50	11.14	9.00	1.35	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	As certified,	8959
5.43	3.50	13.69	9-12	1.35	Cottonseed meal, corn gluten feed, mixed broken grains, consisting of wheat, corn, barley, flax, spelt, ground grain screenings, clipped oat by-product, molasses and a small percentage of salt.	As certified,	10048
4.48	.....	12.74	.....	25.57	Molasses, cottonseed meal, gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9044
6.43	3.50	12.69	9.00	24.00	Gluten feed, flaxseed meal, mixed broken grains of cereal plant separated from wheat, oats, barley, cottonseed meal, distillers grains, salt, wheat bran and molasses.	As certified,	8950
6.48	5-6	9.91	9-11	32.00	Cottonseed meal, corn gluten feed, linseed oil meal, malt sprouts, rye and corn, distillers dried grains, corn meal, corn bran, ground grain screenings, clipped oat by-product, wheat middlings, molasses, and salt $\frac{1}{4}$ of 1 per cent.	As certified,	9351
6.11	4-8	9.84	9.00	1.50	Cottonseed meal, old process linseed oil, meal, molasses, grain middlings, and salt.	Cottonseed meal, old process linseed meal, ground grain screenings, molasses and salt.	9752
7.30	5.00	9.66	10.00	1.65	Cottonseed meal, cleaned grain screenings (ground) clipped oat by-product (20% maximum) and salt.	As certified,	9029

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9081	International Climax Feed, International Sugar Feed Co., Minneapolis, Minn.	Womelsdorf, W. Theo. Miller.	181	Per cent. 9.15	Per cent. 16.13	Per cent 12.50
		Average, .....	.....	10.58	15.67	.....
9613	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Troy, Farmers & Consumers Commercial Union.	713	11.25	15.56	15.00
9751	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Parnassus, Johnston & Hamilton.	851	13.84	14.67	15.00
9028	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Palmyra, J. H. Keetering & Son.	128	12.11	16.08	15.00
8976	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Elizabethtown, Lehman & Wolgemuth.	76	12.23	15.90	15.00
9083	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Womelsdorf, W. Theo. Miller.	183	13.11	14.42	15.00
9644	International Special Dairy Feed, International Sugar Feed Co., Minneapolis, Minn.	Lewistown, Spangle-Yeager Milling Co.	744	12.98	16.15	15.00
		Average, .....	.....	12.58	15.46	.....
9462	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Easton, The Easton Flour & Feed Co.	562	13.83	15.89	16.00
9480	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Quakertown, S. S. Detweiler.	580	11.31	16.31	16.00
9955	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Grove, S. K. Chambers & Bro.	1055	12.96	15.25	16.00
9528	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Lewisburg, Gouser & Noll.	628	14.68	16.39	16.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.10	Per ct. 4.00	Per ct. 11.55	Per ct. 12.00	\$25 00	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	9081
5.88	.....	12.09	.....	26 00			
4.64	4.50	12.72	12.00	25 00	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	9613
4.30	3.50	12.89	12.00	1 45	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	9751
5.87	3.50	11.43	12.00	27.50	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	9028
5.34	4.50	11.54	12.00	25 00	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	8976
5.48	3.50	12.63	12.00	26 00	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	As certified,	9083
4.65	4.50	11.88	12.00	28 00	Cottonseed meal, molasses, ground cleaned grain screenings, ground clipped oat by-product and salt.	Cottonseed meal, molasses, ground clipped oat by-product, salt, ground grain screenings and trace of small whole weed seeds.	9644
5.05	.....	12.18	.....	26 75			
4.24	2.00	11.62	15.00	1 45	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted screenings from wheat and flax $\frac{1}{4}$ of 1 per cent. salt and molasses.	As certified,	9462
4.63	2.00	12.27	15.00	26 00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified,	9480
4.12	2.00	14.81	.00	25 00	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted grain screenings from wheat and flax, $\frac{1}{4}$ of 1 per cent. salt and molasses.	Cottouseed meal, corn oil meal, malt sprouts brewers dried grains, alfalfa meal, ground and bolted flax and wheat screenings, salt molasses and trace of oat hulls and small whole weed seeds.	9955
4.32	2.00	11.40	15.00	26 00	Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	Cottonseed meal, corn oil meal, malt sprouts brewers dried grains, alfalfa meal, molasses salt and trace of small whole weed seeds.	9528

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9964	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Chester, C. C. Hipple & Son.	1064	Per ct. 14.13	Per ct. 15.72	Per et. 16.00
9013	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Altoona, H. H. Langdon,	113	13.91	16.65	16.00
8975	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Elizabethtown, Lehman & Wolgemuth.	75	13.96	15.96	16.00
10110	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Linesville, Linesville Milling Co.	1210	13.45	15.86	16.00
9338	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Blairsville, Geo. J. New	438	14.10	16.95	16.00
10055	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Carlisle, Paxton Flour & Feed Co.	1155	9.41	16.63	16.00
9368	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Shamokin, Shamokin Milling Co.	468	14.94	16.06	16.00
9096	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Reading, Wertz Milling Co.	196	12.43	18.13	16.00
		Average, .....	....	13.25	16.32	.....
9708	Harts Special Dairy Feed, The Lake Shore Elevator Co., Cleveland, Ohio.	Washington, H. G. Miller	808	13.65	13.03	24.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Pound.	Crude Fat.		Crude Fiber.		Price per cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Guaranteed.	Found.	Guaranteed.	Found.				
Per et.	Per et.	Per et.	Per et.	Per et.	\$26 00	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted grain screenings from wheat and and flax, $\frac{1}{2}$ of 1 per cent. salt and molasses.	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted flax and wheat screenings, salt, molasses and trace of oat hulls.	9964
4.28	2.00	12.29	15.00					
4.48	2.00	10.96	15.00	27 00		Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground grain screenings, molasses, salt and trace of small whole weed seeds.	9013
4.13	2.00	9.93	15.00	24 00		Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, molasses, salt and trace of small whole weed seeds.	8975
5.20	2.00	13.62	15.00	1 29		Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted grain screenings from wheat and flax, salt and molasses.	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted flax and wheat screenings, salt, molasses and trace of small whole weed seeds.	10110
4.85	2.00	11.04	15.00	26 00		Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted grain screenings from wheat and flax, $\frac{1}{2}$ of 1 per cent. salt and molasses.	As certified,	9338
4.46	2.00	12.05	15.00	1 30		Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground and bolted grain screenings from wheat and flax, $\frac{1}{2}$ of 1 per cent salt and molasses.	As certified,	10055
3.86	2.00	13.53	15.00	30 00		Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{2}$ of 1 per cent salt.	Cottonseed meal, corn oil meal, malt sprouts, brewers dried grains, alfalfa meal, ground grain screenings, molasses and salt.	9368
4.05	2.00	12.37	15.00	1 30		Cottonseed meal, corn oil meal, malt sprouts, dried brewers grains, alfalfa meal, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9096
4.39	.....	12.15	.....	26 25				
2.91	4.50	7.49	9.00	1 65		Cottonseed meal, brewers grains, malt sprouts, corn bran, molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, brewers dried grains, malt sprouts, corn bran, ground corn, molasses and salt.	9708

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
8937	Ox-o Pure Cane Molasses Concentrated Dairy Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	37	5.46	28.19	28.00
9843	Ox-o Pure Cane Molasses Concentrated Dairy Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, New Oxford Pure Feed Co.	943	8.06	29.38	28.00
9865	Ox-o Pure Cane Molasses Concentrated Dairy Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlhenny.	965	8.16	29.44	28.00
		Average, .....	.....	7.22	29.00	.....
8936	Ox-o Pure Cane Molasses Dairy Feed No. 1, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	36	6.11	24.94	25.00
9863	Ox-o Pure Cane Molasses Dairy Feed No. 1, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlhenny.	963	8.57	26.81	25.00
9846	Ox-o Pure Cane Molasses Dairy Feed No. 1, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, New Oxford Pure Feed Co.	946	7.62	27.88	25.00
		Average, .....	.....	7.43	26.54	.....
8940	Ox-o Pure Cane Molasses Dairy Feed No. 2, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	40	5.80	21.06	19.00
9862	Ox-o Pure Cane Molasses Dairy Feed No. 2, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlhenny.	962	8.10	23.44	19.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 5.47	Per ct. 5.50	Per ct. 9.18	Per ct. 8.00	\$34.00	Cottonseed meal, new process linseed meal, corn gluten feed, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, new process linseed meal, corn gluten feed, brewers dried grains, malt sprouts, cane molasses salt small amount of broken grains of corn, oats and wheat, and trace of weed seeds. 8937
4.68	5.50	10.12	8.00	34.00	Cottonseed meal, new process linseed meal, corn gluten feed, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, new process linseed meal, corn gluten feed, brewers dried grains, cane molasses, salt and trace of weed seeds. 943
3.96	5.50	10.00	8.00	1.70	Cottonseed meal, new process linseed meal, corn gluten feed, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9865
4.70	.....	9.76	.....	34.00		
6.32	4.50	9.38	9.00	32.00	Cottonseed meal, corn gluten feed, new process linseed meal, wheat bran, wheat middlings, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 8936
4.65	4.50	10.66	9.00	1.60	Cottonseed meal, corn gluten feed, new process linseed meal, wheat bran, wheat middlings, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9863
4.62	4.50	10.62	9.00	32.00	Cottonseed meal, corn gluten feed, new process linseed meal, wheat bran, wheat middlings, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9846
5.00	.....	10.22	.....	32.00		
6.46	3.50	12.87	11.00	27.90	Brewers grains, malt sprouts, corn meal, wheat middlings, wheat bran, cottonseed meal, corn gluten feed, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 8940
4.13	3.50	11.82	11.00	1.35	Brewers grains, malt sprouts, corn meal, wheat middlings, wheat bran, cottonseed meal, corn gluten feed, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9862

TABLE IV.--ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Round.	Guaranteed.
8843	Ox-o Pure Cane Molasses Dairy Feed No. 2, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, New Oxford Pure Feed Co.	948	Per ct. 7.76	Per ct. 23.13	Per ct. 19.00
		Average, .....	.....	7.22	22.54	.....
10200	Challenge Dairy Feed, New-some Feed and Grain Co., Pittsburgh, Pa.	Homer City, Thomas K. George.	1300	8.92	13.50	16.50
10011	Challenge Dairy Feed, New-some Feed and Grain Co., Pittsburgh, Pa.	Braddock, John Lachman,	1111	10.12	16.94	16.00
10190	Challenge Dairy Feed, New-some Feed and Grain Co., Pittsburgh, Pa.	Indiana, St. Clair, Rinn & Co.	1290	9.04	13.38	16.50
		Average, .....	.....	9.32	14.61	.....
9120	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	South Fork, J. E. Crisman.	226	15.07	16.85	16.50
9558	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Leechburg, D. Gosser & Sons.	658	13.83	17.65	16.50
8926	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Hanover, Geo. Hull & Sons.	26	14.21	14.90	16.50
9363	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Sunbury, Kift Milling Co.,	463	14.68	14.91	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Found.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.95	Per ct. 3.50	Per ct. 7.65	Per ct. 11.00	\$27 00	Brewers' grains, malt sprouts, corn meal, wheat middlings, wheat bran, cottonseed meal, corn gluten feed, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,		9848
4.85	.....	10.78	.....	27 00				
2.80	3.00	14.44	12.00	1 40	Cottonseed meal, alfalfa meal, malt sprouts, salt and molasses and ground mixed broken grains from screenings containing corn, oats, barley, wheat and flax.	As certified,		10200
4.77	2.00	11.05	15.00	26 00	Cottonseed meal, malt sprouts, brewers' dried grains, alfalfa meal, ground and bolted grain screenings from wheat, $\frac{1}{4}$ of 1 per cent. salt and molasses.	As certified,		10011
2.77	3.60	13.83	12.00	1 40	Cottonseed meal, alfalfa meal, malt sprouts, salt, molasses and ground mixed broken grains from screenings containing corn, oats, barley, wheat and flax.	As certified,		10190
3.45	.....	13.10	.....	27 33				
4.21	3.50	10.96	12.00	1 50	Cottonseed meal, malt sprouts, recleaned broken grains from screenings containing corn, oats, barley, wheat, flax, spelt and buckwheat, molasses and salt.	As certified,		9126
5.51	3.50	13.40	14.00	1 50	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelt and buckwheat, molasses and salt.	As certified,		9558
4.36	3.50	16.87	14.00	25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelt and buckwheat, molasses and salt.	As certified,		8926
3.84	3.50	8.04	14.00	1 35	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelt, buckwheat, molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax seed, spelt, buckwheat and small amount small whole weed seeds, molasses and salt.		9363

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9323	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Neshannock Falls, J. Y. Walker.	423	Per ct. 15.58	Per ct. 16.34	Per ct. 16.50
		Average, .....	.....	14.67	16.13	.....
9463	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Easton, The Easton Flour & Feed Co.	563	10.80	25.52	25.00
9380	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Quarryville, The Lancaster Co. Farmers' Association, Inc.	80	11.20	25.43	25.00
10030	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Chambersburg, J. H. Smith & Sons.	1180	8.78	25.25	25.00
8911	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	York, H. H. Smyser,	11	8.73	26.44	25.00
9507	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	St. Marys, L. Ritter,	607	9.85	26.44	25.00
9662	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Reading Aug. L. Wertz & Bro.	162	7.53	26.63	25.00
		Average, .....	.....	9.48	25.95	.....
9510	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Mifflinburg, R. Foster & Son.	640	13.96	16.54	16.00
9534	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	West Milton, Grove Store Co.	634	12.80	16.85	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.95	Per ct. 3.50	Per ct. 9.86	Per ct. 14.00	\$1 20	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax, spelt and buckwheat, molasses and salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing corn, oats, barley, wheat, flax seed, spelt, buckwheat and small amount small whole weed seeds, molasses and salt.	9323
4.57	.....	10.62	.....	27 20			
3.96	4.00	10.25	9.00	1 70	Hominy feed, malt sprouts, wheat bran, cottonseed meal, molasses, linseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9463
5.86	4.00	10.25	9.00	31 00	Hominy feed, malt sprouts, wheat bran, cottonseed meal and molasses, oatmeal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	8980
4.34	3.50	12.75	12.00	33 00	Hominy feed, malt sprouts, wheat bran with ground screenings not exceeding mill run, cottonseed meal, molasses, oatmeal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	10030
4.47	4.00	11.60	9.00	1 65	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oat clippings.	As certified,	8911
4.21	3.50	11.28	12.00	1 75	Hominy feed, malt sprouts, wheat bran, cottonseed meal, molasses, linseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts.)	As certified,	9507
5.87	4.00	12.30	9.00	34 00	Wheat bran, cottonseed meal, malt sprouts, molasses, hominy feed and oat clippings.	Wheat bran, cottonseed meal, malt sprouts, hominy feed, oat clippings, small amount of alfalfa and cracked corn, molasses and trace of weed seeds.	9062
4.76	.....	11.40	.....	33 33			
4.93	3.50	12.05	14.50	29.00	Malt sprouts, molasses, cottonseed meal, grain screenings meal and oat clippings.	Cottonseed meal, malt sprouts, grain screenings meal, oat clippings, molasses and small amount of small whole weed seeds. Wormy.	9540
7.84	4.50	11.94	14.50	1 40	Malt sprouts, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), grain screenings meal and flax plant by-product.	Cottonseed meal, malt sprouts, clipped oat by-product, grain screenings meal, molasses and small amount of small weed seeds. Very wormy.	9534

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9864	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, John W. McIlhenny.	964	Per ct. 9.57	Per ct. 16.56	Per ct. 16.00
9061	Daisy Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Reading, Aug. C. Wertz & Bro.	161	13.06	17.05	16.00
		Average, .....	....	12.34	16.75	.....
9950	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	West Chester, Isaac H. Bailey.	1050	13.36	15.74	16.00
9989	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	Paoli, Edward F. Bracken,	1089	9.59	18.13	16.00
9851	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	New Oxford, John H. Duttera, Jr.	951	9.96	16.31	16.00
10081	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	Chambersburg, D. W. Faust & Sons.	1181	9.71	16.13	16.00
9876	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	New Castle, New Castle Feed Co.	976	8.71	16.25	16.00
10978	Quaker Dairy Feed with Molasses, The Quaker Oats Co., Chicago, Ill.	Chambersburg, J. H. Smith & Sons.	1178	9.26	18.44	16.00
		Average, .....	....	10.09	16.83	.....
9211	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Clarion, E. T. Kahle & Son.	311	13.05	16.11	16.00
9158	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, D. F. Kilgore & Co.	258	13.76	16.37	16.00

FEEDING STUFFS COLLECTED IN 1914.--Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.30	Molasses, malt sprouts, cotton seed meal, ground cleaned grain screenings from wheat, linseed meal, clipped oat by-product.	Cottonseed meal, malt sprouts, ground wheat screenings, linseed meal, clipped oat by-product, molasses and small amount of small weed seeds.	9864
4.87	4.00	13.02	14.50				
6.32	4.50	11.64	14.50	28.00	Malt sprouts, molasses, cotton seed meal, clipped oat by-product and ground grain screenings.	As certified,	9061
5.49	.....	12.16	.....	27.75			
4.64	4.00	11.74	14.50	27.00	Molasses, malt sprouts, cotton seed meal, ground grain screenings, clipped oat by-product and linseed meal.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, linseed meal and large amount of small whole weed seeds.	9350
4.87	4.50	12.30	14.50	30.00	Molasses, malt sprouts, cotton seed meal, ground grain screenings and clipped oat by-product.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product and small amount of whole small weed seeds and flaxseed.	9983
5.09	4.00	12.27	14.50	1.30	Molasses, malt sprouts, cotton seed meal, ground grain screenings, clipped oat by-product and linseed meal.	Molasses, small amount of malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, and large amount of whole small weed seeds.	9851
5.33	4.00	12.31	14.50	26.00	Molasses, malt sprouts, cotton seed meal, ground grain screenings, clipped oat by-product and linseed meal.	Molasses, cottonseed meal, ground grain screenings, clipped oat by-product and large amount of small whole weed seeds.	10081
4.88	4.00	12.88	14.50	1.25	Molasses, malt sprouts, cotton seed meal, ground grain screenings, clipped oat by-product and linseed meal.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, linseed meal and large amount of small whole weed seeds.	9876
4.59	4.00	12.24	14.50	1.30	Molasses, malt sprouts, cotton seed meal, ground grain screenings, clipped oat by-product and linseed meal.	Molasses, cottonseed meal, ground grain screenings, clipped oat by-product, linseed meal and large amount of whole small weed seeds.	10078
4.90	.....	12.27	.....	26.67			
5.58	4.50	12.25	9.00	1.50	Cottonseed meal, malt sprouts, molasses, grain screenings meal and clipped oat by-product.	Cottonseed meal, malt sprouts, molasses, grain screenings meal, clipped oat by-product and large amount of small whole weed seeds.	9211
5.49	4.50	11.86	9.00	29.00	Cottonseed meal, malt sprouts, molasses, ground grain screenings and clipped oat by-product.	Cottonseed meal, malt sprouts, molasses, grain screenings meal, clipped oat by-product and trace of whole small weed seeds.	9158

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9556	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, H. May,	656	Per ct. 13.25	Per ct. 15.93	Per ct. 16.00
9345	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Blairsville, Smith & Mc- Kelvey.	445	10.28	16.69	16.00
8910	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	York, H. H. Smyser,	10	13.21	16.57	16.00
9049	Quaker Molasses Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Avon, C. Z. Weiss,	149	14.20	16.52	16.00
9882	Protena Dairy Feed, Ralston Purina Co., St. Louis, Mo.	New Castle, City Roller Mills.	982	12.95	16.36	.....
10172	Protena Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Norristown, Simpson Bros.,	1272	12.90	16.57	16.50
9968	Protena Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Downingtown, Charles W. Walker.	1068	13.40	15.12	16.50
10035	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Average,	1135	13.00	15.72	.....
9749	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Butler, The Leedom & Warrall Co.	849	14.70	19.92	19.00
9977	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Media, M. C. Michener, ..	1077	13.87	20.05	20.00
9979	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Media M. C. Michener, ..	1079	14.09	20.24	20.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.83	Per ct. 4.50	Per ct. 11.85	Per ct. 14.50	\$1 45	Cottonseed meal, malt sprouts, molasses, ground grain screenings and clipped oat by-product.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, flaxseed and small amount of small whole weed seeds.	9556
4.90	4.50	12.62	14.50	26 00	Molasses, malt sprouts, cottonseed meal, ground grain screenings (broken grains, etc., from wheat with small percentage of ground weed seeds), clipped oat refuse.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, linseed oil meal and small amount of whole weed seeds.	9345
5.84	4.50	10.27	14.50	24 00	Molasses, malt sprouts, cottonseed meal, ground grain screenings and clipped oat by-product.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, clipped oat by-product, small amount of whole weed seeds and trace of barley.	910
5.33	4.50	11.37	14.50	1 20	Molasses, malt sprouts, cottonseed meal, ground grain screenings and clipped oat by-product.	Molasses, malt sprouts, cottonseed meal, ground grain screenings, ground oat clippings and trace of whole small weed seeds.	9049
5.50	.....	11.70	.....	27 00			
4.76	3.50	12.85	12.00	27 00	Cottonseed meal, brewers' dried grains, clipped oat by-product, ground wheat screenings, molasses and 1 per cent. salt.	As certified,	9882
4.68	3.50	11.67	12.00	27 00	Cottonseed meal, brewers' dried grains, clipped oat by-product, ground wheat screenings, molasses and 1 per cent. salt.	As certified,	10172
4.82	3.50	12.57	12.00	26 00	Cottonseed meal, brewers' dried grains, clipped oat by-product, ground wheat screenings, molasses and $\frac{1}{2}$ per cent. salt.	Cottonseed meal, brewers' dried grains, malt sprouts, clipped oat by-product, ground wheat screenings, molasses and salt.	9968
4.75	.....	12.36	.....	26 67			
3.60	3.80	16.50	15.00	1 55	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and 1 per cent. salt.	As certified,	10035
2.56	3.50	14.74	15.00	31 00	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9749
4.09	3.80	15.76	15.00	32 00	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9977
2.68	3.80	15.28	15.00	32 00	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9979

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protefn.		
				Moisture.	Found.	Guaranteed.
9558	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Leechburg, Stull, Hill Coulter Co.	659	Per et. 13.60	Per et. 22.05	Per et. 19.00
9132	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Johnstown, A. F. Stutzman & Co.	232	13.15	17.45	16.50
9967	Purina Dairy Feed, Ralston Purina Co., St. Louis, Mo.	Downington, Charles W. Walker.	1067	12.67	20.19	20.00
		Average, .....	.....	13.67	20.03	.....
9677	Republic Sugar Feed, Republic Milling Co., East St. Louis, Ill.	Montrose, Harrington & Wilson.	777	11.69	9.19	16.50
9778	Republic Sugar Feed, Republic Milling Co., East St. Louis, Ill.	Montrose, Harrington & Wilson.	878	10.40	9.87	16.50
		Average, .....	.....	11.04	9.53	.....
9529	Sugarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Lewisburg, Buffalo Flour Milling Co.	629	8.47	16.69	16.50
8982	Sugarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Quarryville, The Lancaster County Farmers' Association, Inc.	82	12.84	17.74	16.50
8945	Sugarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Hanover, C. E. Miller, ...	45	12.34	16.50	16.50
9854	Sugarine Dairy Feed, The Sugarine Co., Peoria, Ill.	East Berlin, W. Denton Myers.	954	9.25	18.44	16.50
9931	Sugarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Coatesville, J. C. Valentine.	1031	11.83	16.56	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.60	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9559
3.85	3.50	14.50	15.00				
3.37	3.00	17.96	15.00	1.65	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and $\frac{1}{2}$ per cent. salt.	As certified,	9132
3.86	3.80	16.58	15.00	32.00	Cottonseed meal, brewers' dried grains, corn feed meal, ground alfalfa, molasses and $\frac{1}{2}$ per cent. salt.	As certified,	9967
3.72	.....	15.90	.....	31.86			
2.20	3.00	25.77	12.00	1.25	Cottonseed meal, malt sprouts, oat clips, ground barley and flax screenings, salt and molasses.	Cottonseed meal, malt sprouts, clipped oat by-product, ground barley and flax screenings, salt, molasses and a large amount of ground peanut hulls.	9677
2.31	3.00	27.41	12.00	24.00	Cottonseed meal, malt sprouts, oat clips, ground barley and flax screenings, salt and molasses.	Cottonseed meal, malt sprouts, clipped oat by-product, ground barley and flax screenings, salt, molasses and a large amount of ground peanut hulls.	9778
2.26	.....	26.59	.....	24.50			
5.17	3.50	13.29	12.00	26.00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9529
6.35	3.50	13.53	9.00	24.00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	8982
6.70	3.50	13.44	9.00	1.30	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	8945
6.50	3.50	13.23	12.00	27.00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9854
5.32	3.50	11.88	12.00	26.00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9931

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
10074	Sngarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Chambersburg, George Walker.	1174	Per cent. 9.48	Per cent. 18.25	Per cent. 16.50
9946	Sngarine Dairy Feed, The Sugarine Co., Peoria, Ill.	Christiana, B. Frank Walker.	1046	9.56	16.50	16.50
		Average, .....	.....	10.53	17.24	.....
10149	Hammond Dairy Feed, The Western Gra'n Products Co., Hammond, Ind.	Doylestown, Henry S. Beidler.	1249	13.33	18.07	16.50
9100	Hammond Dairy Feed, The Western Gra'n Products Co., Hammond, Ind.	Johnstown, G. Bostert & Son.	200	12.49	17.21	16.50
10008	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Canonsburg, Canonsburg Milling Co.	1108	10.05	17.13	16.50
9276	Hammond Dairy Feed, The Western Gra'n Products Co., Hammond, Ind.	Muncy, City Flouring Mills.	376	12.63	16.02	16.50
9635	Hammond Dairy Feed, The Western Gra'n Products Co., Hammond, Ind.	Palmyra, Early & Detweiler.	135	13.49	16.88	16.50
10084	Hammond Dairy Feed, The Western Gra'n Products Co., Hammond, Ind.	Lititz, Ebner Eby,	1184	12.47	16.61	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 4.98	Per et. 3.50	Per et. 12.26	Per et. 12.00	\$1 35	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	10074
6.16	3.50	12.97	12.00	30 00	Molasses, cottonseed meal, corn gluten feed, ground and bolted grain screenings, clipped oat by-product, linseed meal and salt.	As certified,	9946
5.88	.....	12.94	.....	26 57			
5.05	3.50	10.97	11.00	26 00	Cottonseed meal, distillers' grains, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and small amount of weed seeds.	10149
4.68	3.50	11.23	11.00	27 00	Cottonseed meal, distillers' grains, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of 1 per cent. salt.	As certified,	9100
4.43	3.50	12.31	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	As certified,	10008
5.71	3.50	10.89	11.00	28 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and trace of small weed seeds.	9276
4.78	3.50	10.90	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	As certified,	9035
4.70	3.50	11.67	11.00	1 35	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	As certified,	10084

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9601	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Wellsboro, Equity Co-operative Exchange.	701	Per ct. 10.94	Per ct. 17.56	Per ct. 16.50
9713	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Washington, R. C. Garber.	813	9.57	17.94	16.50
9840	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Mechanicsburg, A. B. Harnish.	940	11.55	16.01	16.50
9490	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Pottstown, A. K. Kulp, ..	590	12.75	16.16	16.50
10136	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Wesleyville, W. D. Ripley,	1236	9.94	17.44	16.50
9315	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Rochester, Rochester Seed and Supply Co.	415	12.55	16.11	16.50
8916	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	York, Strayer Bros. Co.,..	16	11.85	17.33	16.50
9030	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Lebauon, E. Strickler's Sons.	130	11.42	18.14	16.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.				Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.	Price per ton or cwt.			
Per et. 5.09	Per et. 3.50	Per et. 11.78	Per et. 11.00	\$1 40	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and a small amount of small whole weed seeds.	9601
5.41	3.50	12.13	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and a small amount of small whole weed seeds.	9713
4.84	3.50	11.77	11.00	25 50	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and a small amount of small whole weed seeds.	9840
4.59	3.50	11.74	11.00	1 35	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and a small amount of small whole weed seeds.	9490
4.51	3.50	12.07	11.00	1 25	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings, molasses, salt and a trace of small whole weed seeds.	10136
4.64	3.50	12.73	11.00	1 30	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings molasses, salt and small amount of whole weed seeds.	9315
4.95	3.50	11.27	11.00	27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley screenings molasses, salt and small amount of whole weed seeds.	8916
5.88	3.50	11.62	11.00	1 35	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley, and wheat screenings, molasses and 3/10 of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley and flax screenings, molasses and salt.	9030

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9641	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Port Royal, Weisehanpt & Frazer.	741	Per ct. 11.74	Per ct. 17.96	Per ct. 16.50
	PROPRIETARY STOCK, HORSE AND MULE FEEDS.	Average, .....	.....	11.78	17.11	.....
9583	Acme Feed, Acme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.	683	11.10	9.56	7.00
10131	Portage Stock Feed, The Akron Feed and Milling Co., Akron, Ohio.	Erie, Erie Milling & Supply.	1231	8.57	10.38	10.00
9766	Portage Stock Feed, The Akron Feed and Milling Co., Akron, Ohio.	Monongahela, James B. Hayward & Son.	866	8.10	10.13	10.00
10193	Portage Stock Feed, The Akron Feed and Milling Co., Akron, Ohio.	Indiana, St. Clair, Rinn & Co.	1293	8.02	9.69	10.00
		Average, .....	.....	8.23	10.07	.....
9259	Dairy Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain & Feed Co.	359	8.85	13.75	8.00
9253	Acme Horse Chop, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ...	353	10.33	13.13	8.00
9500	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Ridgway, Smith Bros. Co.	600	9.80	16.44	16.00
9379	Cow Feed, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	479	8.83	10.94	8-10
9138	Rufeco Stock Feed, Buffalo, Cereal Co., Buffalo, N. Y.	Philipsburg, J. O. Reed,..	238	8.67	9.60	9-10
10104	Corn, Oats and Barley Feed, Geo. C. and F. A. Brooks, Wellsboro, Pa.	Wellsboro, Geo. C. and F. A. Brooks.	1204	10.62	12.06	12.00
9512	Corn, Oats and Barley Feed, The Chesbro Milling Co., Salamanca, N. Y.	DuBois, A. T. Sprankle,..	612	8.00	9.13	8-10
9688	Chesbro's Stock Feed, The Chesbro Milling Co., Salamanca, N. Y.	Honesdale, W. B. Holmes,	788	9.32	8.94	8-10
9017	Superior Horse Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark,	117	9.33	14.13	8-10
9010	E. D. Clark's Superior Horse Chop, E. D. Clark, Altoona, Pa.	Altoona, H. H. Langdon,	110	9.83	14.25	8-10

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 4.78	Per ct. 3.50	Per et. 11.81	Per et. 11.00	\$1 35	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains separated from wheat, rye, oats and barley and wheat screenings, molasses and $\frac{3}{10}$ of one per cent. salt.	Cottonseed meal, distillers' dried grains, malt sprouts, mixed broken grains from wheat, rye, oats and barley screenings, molasses, salt and small amount of small whole weed seeds.	9641
4.94	.....	11.66	.....	26 43			
3.89	3.00	6.62	9.00	1 60	Corn, hominy feed and oat hulls.	As certified,	9583
5.80	4.00	12.07	9.00	29 00	White or yellow shelled corn, barley, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	10131
6.25	4.60	11.58	9.00	1 60	White or yellow shelled corn, barley, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9766
5.29	4.00	11.18	9.00	1 55	White or yellow shelled corn, barley, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	10193
5.78	.....	11.61	.....	31 00			
8.24	3.50	3.61	9.00	1 85	Hominy feed and oil meal.	As certified,	9259
6.25	3.00	3.37	9.00	1 65	Rye, oats, corn, wheat middlings and hominy feed.	As certified,	9253
6.28	6.00	5.03	9.00	1 90	Old process linseed meal, hominy meal, wheat middlings, wheat bran and dried brewers' grains.	As certified,	9500
6.24	2-4	8.53	10-12	29 00	Corn bran, oats chop and barley chop.	As certified,	9379
4.64	4-5	8.33	9.00	1 60	Salt $\frac{3}{4}$ of 1 per cent, corn, oats, barley, cottonseed meal, reddog flour, oat shorts, oat hulls, oat middlings.	As certified,	9138
4.21	4.00	5.95	6.00	31 00	Barley, oats, corn, grain screenings and a trace of weed seeds.	Corn, oats, barley, grain screenings with a trace of whole weed seed.	10104
5.17	4-5	12.32	7-9	1 60	Corn, hominy, barley, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9512
6.32	3.25-4.5	11.85	7-9	1 65	Corn, barley, cottonseed meal, reddog flour, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of one per cent. salt.	As certified,	9688
5.89	3.5-4.5	5.69	7-9	32 00	Oats, hominy feed, rye middlings, reddog flour and corn oil meal.	As certified,	9017
5.84	3.5-4.5	5.78	7-9	30 00	Oats, hominy feed, rye middlings, reddog flour and corn oil meal.	As certified,	9010

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9466	Mixed Feed, George E. Dull, Easton, Pa.	Easton, George E. Dull, ..	566	Per ct. 8.52	Per ct. 9.81	Per ct. 6-10
9310	Pioneer Feed, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	410	10.39	8.00	7.50
9509	Empire Feed, Empire Mills, Olean, N. Y.	St. Marys, Hall, Kaul & Hyde Co.	609	10.55	9.63	7.5-9
9411	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Lock Haven, F. H. Dyer,	511	10.31	9.69	7.63
9567	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	667	9.86	8.88	7.63
		Average,		10.08	9.29	.....
10103	Horse Feed, Equity Co-Operative Exchange, Wellsboro, Pa.	Wellsboro, Equity Co-operative Exchange.	1203	10.40	11.88	.....
8951	Eshelman's Stock Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	51	10.67	11.19	10.00
9597	Buffalo Stock Feed, Globe Elevator Co., Buffalo, N. Y.	Westfield, F. A. Ackley, ..	697	11.23	11.88	9-10
		West End Punxsutawney, Lindsey Milling Co.	449	11.98	11.88	9-10
		Average,		11.60	11.88	.....
9783	Mixed Feed, F. H. Hagerman, Towanda, Pa.	Towanda, F. H. Hagerman.	883	9.09	8.50	7-10
9333	Hornby's C. & O. Feed, J. H. Hornby & Son, New Brighton, Pa.	New Brighton, J. H. Hornby & Son.	433	9.69	9.88	8.00
9344	C. O. & B. Feed, The Imperial Grain & Milling Co., Toledo, Ohio.	Blairsville, Geo. J. New,	444	9.02	10.19	8.90
9316	C. O. & B. Feed, The Imperial Grain & Milling Co., Toledo, Ohio.	Rochester, Rochester Seed & Supply Co.	416	7.36	8.63	8.90
		Average,		8.19	9.41	.....
9196	Jem Stock Feed, Jamestown Electric Mills, Jamestown, N. Y.	Reynoldsville; Fales Grocery Co.	296	6.93	11.38	9-12
9690	Jem Stock Feed, Jamestown Electric Mills, Jamestown, N. Y.	Honesdale, W. B. Holmes,	790	10.41	9.50	9-12
		Average,		8.67	10.44	.....
9016	Horse Chop, Klepser Brothers, Martinsburg, Pa.	Altoona, Klepser Bros., ..	116	11.00	13.13	7.00
9108	Badger Stock Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Windber, L. B. Reeser, ..	208	8.70	12.81	12.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per cent.	Per cent.	Per cent.	Per cent.	\$1.50	Corn, rye, rye feed and wheat middlings.	As certified,	9466
3.16	2-6	5.68	6.00	1.75	Corn feed meal, light oats and oat hulls.	As certified,	9310
2.72	2.50	6.03	8.00	1.50	Corn, hominy and oat hulls.	As certified,	9509
5.22	3-5	6.16	9.00	1.75	Corn, hominy, oats, oat hulls and oat middlings.	As certified,	9411
4.95	2.97	8.05	9.00	1.75	Corn, hominy, oats, oat hulls and oat middlings.	As certified,	9567
4.66	2.97	7.38	9.00	1.65	Corn, hominy, oats, oat hulls and oat middlings.	As certified,	10103
4.81	.....	7.71	.....	1.70			
3.18	.....	8.71	.....	1.60	Corn, oats and barley.	As certified,	8951
3.68	7.00	4.81	7.00	29.00	Rye chop, corn chop, oats chop, corn bran and barley.	As certified,	9597
4.68	4-6	6.45	9.00	1.60	Corn, barley, oats, reddog flour, oat hulls, oat middlings, hominy feed, cottonseed meal and salt $\frac{1}{2}$ of 1 per cent.	Corn, oats, reddog flour, oat hulls, oat middlings, hominy feed, cottonseed meal and salt.	9349
4.57	4-6	7.53	9.00	1.60	Corn, barley, oats, reddog flour, oat hulls, oat middlings, hominy feed, cottonmeal and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9783
4.63	.....	6.99	.....	1.60			
3.36	3-6	12.53	8-9	32.00	Corn, oat middlings, oat shorts and oat hulls.	Corn, oat shorts, oat middlings, oat hulls and trace of buckwheat hulls.	9333
5.68	3.50	7.63	9.00	1.40	Corn, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9344
4.20	3.70	7.26	9.00	1.50	Shelled and ear corn, oats, barley, wheat flour, oat shorts, oat hulls, oat middlings, cottonseed meal and salt $\frac{1}{2}$ of one per cent.	As certified,	9316
3.22	3.70	11.40	9.00	1.55	Shelled and ear corn, oats, barley, wheat flour, oat shorts, oat hulls, oat middlings, cottonseed meal and salt $\frac{1}{2}$ of one per cent.	As recertified,	9196
3.71	.....	9.33	.....	1.53			
6.65	3-4	9.78	8-10	1.60	Yellow or white cornmeal, oats, oat middlings, ground oat hulls, $\frac{1}{2}$ pound of fine salt per 100 pounds.	As certified,	9690
3.93	3-4	9.92	8-10	1.75	Yellow or white cornmeal, oats, oat middlings, ground oat hulls, $\frac{1}{2}$ pound of fine salt per 100 pounds.	As certified,	9016
5.29	.....	9.85	.....	1.68			
4.24	3.00	3.30	7-9	1.60	Rye, hominy, oats and wheat middlings.	As certified,	9108
6.63	5.00	6.74	7.00	1.60	White corn products and crushed oats.	Hominy feed, corn oil meal, corn flour and oats.	

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9370	Badger Stock Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Shamokin, Shamokin Milling Co.	470	Per ct. 9.45	Per ct. 12.00	Per ct. 12.00
	Average, .....	.....	.....	9.07	12.16	.....
9457	Horse Chop, C. C. Lynn & Co., South Bethlehem, Pa.	South Bethlehem, C. C. Lynn & Co.	557	11.13	12.56	10.50 -12.41
9467	Mixed Feed, Mann & Alls-house, Easton, Pa.	Easton, George E. Dull, ..	567	9.34	9.81	4-10
9459	Mixed Feed, Mann & Alls-house, Easton, Pa.	Easton, The Easton Flour & Feed Co.	559	9.52	9.56	6-10
9659	Best Mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	759	11.57	12.19	9-10
9804	Best Mixed Feed for Horses, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	904	10.89	12.00	9-10
	Average, .....	.....	.....	11.23	12.10	.....
9662	White Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	762	9.73	11.63	7-9
9663	Brown Mixed Feed, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	763	10.44	12.63	7-9
9521	McMahan's Prepared Horse Feed, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, ..	621	6.80	22.19	18-20
9649	Mihimico Stock Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	749	10.74	12.25	11-15
10024	Mixed Feed, New Model Milling Co., Oil City, Pa.	Oil City, New Model Milling Co.	1124	10.96	11.81	11.00
9135	Peerless Alfalfa Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Philipsburg, J. O. Reed, ..	235	16.87	10.83	10.00
9338	Alfalfa Horse Feed, F. V. Perry, Scottdale, Pa.	Scottdale, F. V. Perry, ..	498	12.23	11.06	10-13
9762	Paragon Mixed Feed, The Pioneer Cereal Co., Akron, O.	Monessen, Hagerston & Dague.	862	9.34	12.88	12-14
9167	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Mount Pleasant, J. H. Brown & Son.	267	8.43	8.81	10.00
9125	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	South Fork, J. E. Crisman.	225	8.01	9.06	10.00
10198	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Homer City, Thomas K. George.	1293	8.82	9.63	8-10
9358	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Punxsutawney, Jefferson Flour & Feed Co.	458	11.00	9.50	10.00
9937	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Jeannette, Keystone Supply Co.	1097	9.11	9.75	8-10
9405	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Uniontown, King, Bros., ..	505	10.33	8.81	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat. Pound.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Micro- scopical Examination.	Chemist's number.	
	Guaranteed. Pound.	Guaranteed. Pound.					
Per ct. 4.57	Per ct. 5.00	Per ct. 7.11	Per ct. 7.00	\$30 00	White corn products and crushed oats.	Hominy feed, corn oil meal, corn flour.	9370
5.60	.....	6.92	.....	31 00			
3.54	3.00- 4.04	4.37	3.53- 9.00	1 60	Corn, oats, rye, rye middlings and Schumacher stock feed.	Corn, oats, rye, rye middlings, cottonseed meal, wheat flour, barley, oat shorts, oat hulls, oat middlings and salt.	9457
3.70	1-6	2.40	6-8	1 60	Corn, rye, rye feed, hominy and oats.	Corn, rye, rye bran, rye middlings, hominy feed and oats.	9467
3.52	2-6	5.41	6.00	1 50	Corn, rye and rye feed.	Corn, rye, rye bran and rye middlings.	9459
6.36	3-4	5.20	6-7	1 90	Corn, oats, wheat middlings and linseed meal.	As certified,	9659
4.98	3-4	5.19	6-7	40 00	Corn, oats, wheat middlings and linseed meal.	As certified,	9804
5.67	.....	5.19	.....	39 00			
7.91	4-6	4.70	5-6	1 85	Hominy, corn, oat feed and oat hulls.	Corn, hominy feed, oat middlings and oat hulls.	9662
6.93	4-6	5.40	5-6	1 85	Hominy, corn, oat feed and oat hulls.	Corn, hominy feed, oat middlings and oat hulls.	9663
6.74	7-8	8.58	9-10	30 00	Brewers' dried grains, hominy meal, cottonseed meal and middlings.	As certified,	9521
4.90	5-7	7.30	8-10	1 65	Alfalfa, hominy feed, middlings, corn, oats, oil meal and salt.	As certified,	9649
3.40	3.00	4.36	9.00	1 70	Corn, wheat bran and wheat middlings.	As certified,	10024
2.80	2.00	8.63	12.00	1 75	Corn and oats,	As certified,	9135
3.62	3-5	5.09	6-9	1 75	Cut alfalfa, cracked corn, oats, bran, oil meal and salt.	As certified,	9398
7.33	5-7	5.95	9.06	1 85	.....	Corn, red dog flour, wheat bran and ground grain screenings.	9762
4.30	3.50	9.15	9.00	1 60	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	9167
4.40	3.50	9.41	9.00	1 50	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	9125
4.15	4-6	8.92	9.00	32 00	Shelled corn, barley, oat shorts, oat hulls and oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	10198
4.00	3.50	4.01	9.00	1 60	Shelled corn, barley, oat shorts, oat hulls and oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9358
4.24	4-6	9.77	9.00	1 75	Shelled corn, barley, oat shorts, oat hulls and oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9997
4.38	3.50	9.96	9.00	1 50	Shelled corn, barley, oat shorts, oat hulls and oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9405

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9008	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Altoona, H. H. Langdon, ..	108	Per ct. 10.15	Per ct. 8.94	Per et. 10.00
9623	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Lewistown, Lewistown Ice & Storage Co.	723	10.35	8.94	10.00
9707	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Washington, H. G. Miller,	807	10.43	9.69	8-10
9760	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Charleroi, R. C. Mountser,	860	8.58	9.19	8-10
8987	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Bedford, D. W. Prosser & Son.	87	9.85	9.13	10.00
9747	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Butler, B. F. Shannon & Co.	847	9.48	8.88	8-10
9720	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Houston, W. M. Templeton & Sons.	820	10.29	8.63	10.00
9146	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Wallacetton, E. K. Turner,	246	8.53	8.94	10.00
9079	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, O.	Womelsdorf, Wagner & Emrich.	179	9.10	9.00	10.00
		Average,		9.49	9.13	.....
9404	Portage C. & O. Feed, The Pioneer Cereal Co., Akron, Ohio.	Uniontown, King Bros., ..	504	10.99	9.50	8-10
9706	Portage C. & O. Feed, The Pioneer Cereal Co., Akron, Ohio.	Washington, H. G. Miller,	806	10.77	9.44	8-10
9758	Portage C. & O. Feed, The Pioneer Cereal Co., Akron, Ohio.	Charleroi, R. C. Mountser,	858	8.54	9.00	8-10
		Average,		10.10	9.31	.....
9031	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Lebanon, E. Strickler's Sons.	131	9.08	9.50	8.00
9410	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Unioutown, M. H. Clark,	510	9.30	12.63	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.					Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.	Price per ton or cwt.	Certified Composition.		
Per ct.	Per ct.	Per ct.	Per ct.				
4.27	3.50	7.95	9.00	\$28 00	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	9008
3.74	3.50	9.19	9.00	1 55	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	9623
4.43	4-6	9.14	9.00	1 65	Shelled corn, barley, oat shorts, oat hulls, oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9707
3.88	4-6	7.47	9.00	1 60	Shelled corn, barley, oat shorts, oat hulls, oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9760
4.12	3.50	7.89	9.00	1 60	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	8987
4.08	4-6	9.74	9.00	1 55	Shelled corn, barley, oat shorts, oat hulls, oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9747
3.35	3.50	9.41	9.00	29 00	Shelled corn, barley, oat shorts, oat hulls, oat middlings and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9720
4.16	3.50	9.03	9.00	1 50	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	Shelled corn, oat shorts, oat hulls and oat middlings.	9146
4.29	3.50	9.42	9.00	1 45	Shelled corn, barley, oat shorts, oat hulls and oat middlings.	As certified,	9079
4.12	.....	8.69	.....	31 13			
3.56	3-5	7.34	9.00	1 40	Corn, oat middlings, oat shorts and oat hulls and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9104
4.32	3-5	6.78	9.00	1 55	Corn, oat middlings, oat shorts and oat hulls and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9706
4.13	3-5	8.96	9.00	1 60	Corn, oat middlings, oat shorts and oat hulls and seasoned with $\frac{1}{2}$ of 1 per cent. salt.	Corn, barley, oat middlings, oat shorts, oat hulls and salt.	9758
4.00	.....	7.69	.....	30 33			
5.12	3.60	8.18	9.00	1 55	Ground corn, hominy feed, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9031
4.70	3.25	10.51	9.00	1 60	Ground corn, hominy feed, ground barley, wheat flour, wheat middlings with ground screenings not exceeding mill run, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9410

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Staff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
10026	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Oil City, Clyde D. Dussee,	1126	Per ct. 8.72	Per ct. 12.25	Per ct. 10.00
		Average, .....	.....	9.01	12.44	.....
9951	Schumacher Special Horse Feed, The Quaker Oats Co., Chicago, Ill.	West Chester, Isaac H. Bailey.	1051	9.74	9.94	9.25
8996	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mapletou, H. O, Andrews,	96	9.32	11.06	10.00
8932	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Littlestown, D. E. Buckey & Son.	32	8.40	11.19	10.00
8991	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Bedford, Davidson Bros.,	91	9.58	11.63	10.00
9770	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela, D. E. Gamble.	870	9.32	11.94	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.41	Per ct. 3.25	Per ct. 9.15	Per ct. 9.00	\$1 70	Ground corn, hominy feed, ground barley, wheat flour, wheat middlings with ground screenings not exceeding mill run, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	10026
4.56	.....	9.83	.....	1 65			
4.06	3.25	7.49	9.00	37 00	Ground corn, crushed oats, oatmeal mill by-product, oat middlings, oat hulls, oat shorts and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9951
4.76	3.25	9.90	9.00	31 00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8996
4.32	3.25	9.16	9.00	1 50	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8932
4.70	3.25	8.99	9.00	1 50	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8991
4.42	3.25	10.17	9.00	32 00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground wheat, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9770

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9538	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	West Milton, Grove Store Co.	638	Per ct. 9.66	Per ct. 13.06	Per ct. 10.00
9729	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. S. Hunter Co.	829	10.26	11.13	10.00
9073	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Fleetwood, Kaufmann, Schaeffer & Co.	173	9.60	12.00	10.00
9022	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Palmyra, J. H. Kettering & Son.	122	8.73	11.00	10.00
9203	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Brookville, Kline's Sifter Mills.	303	8.70	12.25	10.00
8983	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Quarryville, The Lancaster County Farmers' Association.	83	8.21	11.44	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 4.53	Per ct. 3.25	Per ct. 9.33	Per ct. 9.00	\$1.45	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9533
4.56	3.25	9.00	9.00	1.75	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9729
4.43	3.25	8.99	9.00	1.50	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9073
4.93	3.25	9.84	9.00	30.00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9022
4.65	3.25	9.01	9.00	30.00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9203
4.35	3.25	8.93	9.00	31.00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings, cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 8983

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Per cent.	Per cent.
10141	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Wesleyville, W. D. Ripley,	1241	9.22	Per cent.	12.94
9799	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Meshoppen, Sterling & Sherwood.	899	9.45	11.44	10.00
9901	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Kane, Swanson Grocery Co.	1001	10.83	11.00	10.00
9320	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Neshannock Falls, J. Y. Walker.	420	9.11	11.63	10.00
9856	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Gettysburg, C. M. Wolf,...	956	9.55	11.00	10.00
Average,				9.32	11.65	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.92	Per ct. 3.25	Per ct. 10.61	Per ct. 9.00	\$28.00	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cotton-seed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	10141
4.68	3.25	9.63	9.00	1.65	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cotton-seed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9799
4.23	3.25	9.98	9.00	1.60	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cotton-seed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9901
4.44	3.25	9.37	9.00	1.55	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cotton-seed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9320
4.10	3.25	9.71	9.00	1.60	Ground corn, ground barley, wheat flour, hominy feed, wheat middlings with ground screenings not exceeding mill run, ground puffed rice, ground puffed wheat, cotton-seed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As specified,	9356
4.60	.....	9.50	.....	30.93			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9350	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	West End, Punxsutawney, Lindsey Milling Co.	450	Per cent. 10.10	Per cent. 13.13	Per cent. 10.00
9635	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Mifflin, W. H. Manbeck & Son.	735	10.57	11.06	10.00
8929	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Average, Littlestown, D. E. Buckey & Son.	29	10.33 8.34	12.10 9.94	8.00
9409	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, M. H. Clark,	509	10.54	9.69	8.00
9928	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Coatesville, Hand work Bros.	1028	9.33	9.44	8.00
9554	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Leechburg, H. May,	654	9.95	9.19	8.00
9052	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Avon, C. Z. Weiss,	152	8.64	9.50	8.00
9750	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Average, Ford City, L. Pollock & Son.	850	9.36 10.10	9.55 10.06	8.00
9715	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Waynesburg, Waynesburg Milling Co.	815	10.39	9.31	8.00
		Average,		10.51	9.69	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.72	Per ct. 3.25	Per ct. 5.17	Per ct. 9.00	\$1 60	Ground corn, hominy feed, ground barley, wheat flour, wheat middlings with ground screenings not exceeding mill run, cottonseed meal, ground puffed rice, ground puffed wheat, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9350
3.32	3.25	9.19	9.00	1 55	Ground, corn, hominy feed, ground barley, wheat flour, wheat middlings with ground screenings not exceeding mill run, cottonseed meal, ground puffed rice, ground puffed wheat, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9635
4.03	.....	7.18	.....	1 58	Ground corn, hominy feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8929
4.96	3.00	8.61	9.00	1 45	Ground corn, hominy feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9409
3.92	3.00	8.46	9.00	35 00	Ground corn, hominy feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9928
3.18	3.00	9.91	9.00	1 50	Ground corn, hominy feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9554
4.68	3.00	8.02	9.00	1 45	Ground corn, hominy feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9052
4.15	.....	8.60	.....	30 60	Ground corn, hominy feed, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9750
4.76	3.25	7.85	9.00	1 70	Ground corn, hominy feed, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9715
4.76	3.25	8.00	9.00	1.70	Ground corn, hominy feed, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	
4.76	.....	7.92	.....	1.70			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Foual.	Guaranteed.
9818	Luzerne Capital Stock Feed, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	918	9.22	Per et. 13.63	Per et.
9063	Ubiko Horse and Stock Feed, The Ubiko Milling Co., Cincinnati, Ohio.	Reading, Aug. C. Wertz & Bro	163	8.06	18.19	16.00
9099	Mixed Feed, Wertz Milling Co., Reading, Pa.	Reading, Wertz Milling Co.	199	9.40	11.06	10.00
9664	Mixed Feed, J. M. Wyckoff, East Stroudsburg, Pa.	East Stroudsburg, J. M. Wyckoff.	764	11.22	10.81	6-10
	PROPRIETARY STOCK, HORSE AND MULE FEEDS, WITH MOLASSES.					
9080	Allneeda Horse and Mule Feed, Allneeda Mills Co., East St. Louis, Ill.	Womelsdorf, Wagner & Emrich.	180	16.36	10.78	9.00
8986	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Peoria, Ill.	Bedford, D. W. Prosser & Son.	86	15.76	11.28	11.00
9732	Sucrene Horse and Mule Feed, American Milling Co., Peoria, Ill.	Butler, H. J. Klingler & Co.	822	16.03	9.10	9.00
8989	Sucrene Horse and Mule Feed, American Milling Co., Peoria, Ill.	Bedford, D. W. Prosser & Son.	89	16.20	9.47	10.00
	Average, .....		.....	16.11	9.29	.....
9734	Sucrene Horse and Mule Feed with Alfalfa, American Milling Co., Peoria, Ill.	Butler, H. J. Klingler & Co.	834	14.34	10.43	10.00
9940	Sucrene Horse and Mule Feed with Alfalfa, American Milling Co., Peoria, Ill.	Gap, Joseph C. Walker & Sons Co.	1040	12.33	11.64	10.00
9972	Sucrene Horse and Mule Feed with Alfalfa, American Milling Co., Peoria, Ill.	Media, C. Frank Williams-Son.	1072	13.93	10.94	10.00
	Average, .....		.....	13.53	11.00	.....
9255	Choice Green Feed Dairy, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ..	355	17.98	9.58	10.00
9256	My Best Horse Feed, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle, ..	356	16.66	10.43	9.00
10046	4-A Horse Feed, The Big Four Milling Co., Cleveland, Ohio.	Franklin, John H. Lavery,	1146	14.43	13.67	12.50
9960	Clover Leaf Horse Feed, Clover Leaf Milling Co., Buffalo, N. Y.	West Grove, L. P. & R. W. Good.	1060	13.24	10.52	10.00
9711	Harvest Horse Feed, Edwards & Loomis Co., Chicago, Ill.	Washington, Russell Bros.,	811	14.46	11.79	9.00
9472	Harvest Horse Feed, Edwards & Loomis Co., Chicago, Ill.	East Mauch Chunk, Stemler Bros.	572	15.97	10.85	9.00
	Average, .....		.....	15.21	11.32	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.			Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.	Found.				
Per ct. 5.25	Per ct.	Per ct. 8.00	Per ct.	Alfalfa meal, brown middlings, hominy feed, cracked corn, oats, oil meal and salt.	As certified,	9818	
6.95	6.00	8.02	9.00	\$34.00	Old process linseed meal, hominy meal, wheat middlings, wheat bran and brewers' dried grains.	As certified,	9063
4.87	3.00	3.47	4.00	1.50	Corn, oats and cracked corn siftings.	Corn, oats, corn and barley siftings.	9099
3.30	2.6	3.49	5.9	1.55	Shelled corn, rye middlings and oats.	Corn, oats, rye, rye middlings and rye bran.	9664
9.09	3.00	11.55	12.00	1.65	Corn, oats, alfalfa, cottonseed meal, molasses and salt.	As certified,	9080
3.14	2.50	11.56	12.00	1.75	Molasses, alfalfa, cracked corn, linseed meal, rolled oats, rolled barley, recleaned grain screenings and salt.	Molasses, alfalfa, cracked corn, linseed oil meal, rolled oats, rolled barley, recleaned grain screenings, salt and small amount of flaxseed and whole weed seeds.	8986
3.03	2.50	8.72	12.00	1.55	Recleaned grain screenings, molasses, oats, corn and salt.	Corn, oats, barley, recleaned grain screenings, molasses, a n d salt.	9732
4.10	2.50	6.27	12.00	1.70	Recleaned grain screenings, molasses, cracked corn, linseed meal, rolled oats and salt.	Cracked corn, linseed oil meal, rolled oats, grain screenings, molasses, salt, large amount of chaff and straw joints and small amount of weed seeds.	8989
3.57	.....	7.49	.....	1.63			
2.47	2.50	12.90	12.00	1.70	Molasses, alfalfa, corn, oats, barley and salt.	As certified.	9734
2.54	2.50	13.32	12.00	32.00	Molasses, alfalfa, corn, oats, barley and salt.	As certified.	9940
2.31	2.50	14.08	12.00	36.00	Molasses, alfalfa, corn, oats, barley and salt.	As certified.	9972
2.44	.....	13.43	.....	34.00			
2.60	2.00	7.47	25.00	1.60	Alfalfa and sugar beet syrup, corn and oats.	As certified,	9255
2.69	2.30	7.82	20.00	1.65	Alfalfa and sugar beet syrup, corn and oats.	As certified,	9256
4.00	4.00	8.74	11.00	1.80	Corn, oats, alfalfa meal, brewers' grains and molasses.	As certified,	10046
2.86	2.00	11.62	12.00	35.00	Cracked corn, crushed oats, alfalfa meal, molasses and a small percentage of salt.	As certified,	9960
2.29	2.00	11.17	15.00	1.65	Alfalfa, molasses, cracked corn and oats.	As certified.	9711
2.56	2.00	10.92	15.00	1.75	Alfalfa, molasses, cracked corn and oats.	As certified,	9472
2.43	.....	11.04	.....	1.70			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
8953	Alfalfa Horse Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	53	Per ct. 16.08	Per ct. 10.71	Per ct. 10-12
9186	Faramel Horse Feed, Faramel Milling Co., Buffalo, N. Y.	Bradford, Smith Bros., ..	286	20.24	9.24	9.00
9822	Eatall Horse Feed, Feed Products Milling Co., Chicago, Ill.	Luzerne, Schooley & Son,	922	15.45	11.71	10.00
9767	Kingalf Horse Feed, Howard H. Hanks Co., Chicago, Ill.	Monongahela, James B. Hayward & Sons.	867	16.63	12.45	9.00
9082	Dan Patch Horse Feed, International Sugar Feed Co., Minneapolis, Minn.	Womelsdorf, W. Theo. Miller.	182	13.41	13.09	12.50
9645	Dan Patch Horse Feed, International Sugar Feed Co., Minneapolis, Minn.	Lewistown, Spanogle-Yeager Milling Co.	745	14.75	11.63	9.00
9098	Badger Evergreen Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Reading, Aug. C. Wertz & Bro.	198	15.53	12.57	12.00
9479	Badger Horse Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Quakertown, S. S. Detweiler.	579	18.02	10.59	10.00
9014	Badger Horse Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Altoona, H. H. Langdon, ..	114	17.42	10.96	11.00
		Average, .....	.....	17.72	10.78	.....
10001	Harteno Horse Food, Lake Shore Elevator Co., Cleveland, Ohio.	Canonsburg, Wm. H. Dunlap, Jr.	1101	14.12	10.61	10.94
9867	Harteno Horse Food, Lake Shore Elevator Co., Cleveland, Ohio.	New Castle, F. W. Hutchinson & Son.	967	14.50	10.59	10.94
9709	Harteno Horse Food, Lake Shore Elevator Co., Cleveland, Ohio.	Washington, H. G. Miller,	809	14.59	10.19	10.94
		Average, .....	.....	14.40	10.46	.....
9004	Harteno Horse and Cattle Food, The Lake Shore Elevator Co., Cleveland, Ohio.	Altoona, R. F. Notley, ..	104	15.61	10.60	10.94
9453	Mixed Horse Feed, C. C. Lynn & Co., South Bethlehem, Pa.	South Bethlehem, C. C. Lynn & Co.	553	15.10	10.82	9.54
8944	Ox-O Pure Cane Molasses Horse and Mule Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	44	8.11	16.75	17.00
9860	Ox-O Pure Cane Molasses Horse and Mule Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlleuny.	960	8.21	20.25	17.00
9844	Ox-O Pure Cane Molasses Horse and Mule Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, New Oxford Pure Feed Co.	944	8.65	19.88	17.00
		Average, .....	.....	8.32	18.96	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.			Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.	Found.				
Per ct. 3.42	Per ct. 3-4	Per ct. 7.66	Per ct. 8-9	\$32.00	Cracked corn, oats, alfalfa, wheat bran, molasses and barley. Oats, corn, wheat bran and molasses.	As certified,	8953
3.92	4.00	5.19	6.00	1.75	Oats, corn, wheat bran and molasses.	Corn, oats, wheat bran, molasses and trace of flaxseed and barley.	9186
2.00	3.00	11.33	12.00	1.85	Alfalfa meal, cracked corn, oats and syrup.	As certified,	9822
1.76	2.00	12.16	15.00	1.70	Alfalfa meal, cracked corn, oats and syrup.	As certified,	9767
3.38	3.50	11.00	12.00	1.65	Corn, oats, alfalfa, barley, linseed oil meal, molasses and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9082
3.67	3.00	11.84	15.00	35.00	Oats, barley, cracked corn, ground alfalfa, cane molasses and salt.	As certified,	9645
1.64	1.00	15.11	30.00	1.60	Alfalfa, molasses and salt.	As certified,	9098
2.40	2.00	9.59	12.00	33.00	Corn, oats, alfalfa, molasses and salt.	As certified,	9479
2.48	2.00	8.97	12.00	32.00	Corn, oats, alfalfa, molasses and salt.	As certified,	9014
2.44	.....	9.28	.....	32.50			
4.16	4.59	6.10	6.35	40.00	Corn, bran, oats and molasses.	As certified,	10001
4.28	4.59	6.56	6.35	2.00	Corn, bran, oats and molasses.	Corn, wheat bran, rolled oats, molasses and trace of ground screenings.	9867
4.13	4.59	4.92	6.35	37.00	Corn, bran, oats and molasses.	Corn, wheat bran, rolled oats and molasses.	9709
4.19	.....	5.86	.....	33.00			
4.19	4.50	6.20	6.35	2.20	Corn, bran, oats and molasses.	Corn, wheat bran rolled oats, rolled barley, molasses and trace of whole weed seeds.	9004
3.86	2-4	8.59	5-8	1.70	Corn, oats, alfalfa and molasses.	As certified,	9453
5.21	4.50	8.98	9.00	1.55	Recleaned whole oats, corn, new process linseed meal, cottonseed meal, wheat middlings, brewers' grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8944
4.58	4.50	9.90	9.00	1.50	Recleaned whole oats, corn, new process linseed meal, cottonseed meal, wheat middlings, brewers' grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9860
4.26	4.50	9.96	9.00	31.00	Recleaned whole oats, corn, new process linseed meal, cottonseed meal, wheat middlings, brewers' grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9844
4.68	.....	9.61	.....	30.67			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9322	Sugarota Horse Feed, North-West Mills Co., Winona, Minn.	Neshannock Falls, J. Y. Walker.	422	Per ct. 14.97	Per ct. 11.16	Per ct. 10.00
8904	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	York, Anderson Bros & Co.	4	16.43	10.95	10.00
10016	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Braddock, Irwin Muir, ..	1116	14.98	10.46	10.00
		Average, .....	.....	15.70	10.71	.....
10042	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, Oil City Milling Co.	1142	17.72	9.06	11.00
9136	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Philipsburg, J. O. Reed, ..	236	20.32	12.30	11.00
9170	Green Meadow Dairy Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	New Stanton, James F. Stanton & Sons.	270	11.67	12.56	11.00
		Average, .....	.....	16.57	11.31	.....
9774	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Monongahela, D. E. Gamble.	874	15.25	10.65	9.00
9763	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Monessen, Hagerson & Dague.	863	13.86	11.23	9.00
9756	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. C. Mountser.	856	13.63	9.20	9.00
9286	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Pitcairn, D. F. Salyards,	386	17.13	10.37	9.00
		Average, .....	.....	14.96	10.36	.....
9755	Peters' June Pastures Dairy Meal, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. E. Mountser,	855	13.06	10.65	10.00
9884	Peters' King Corn Alfalfa Feed, M. C. Peters Mill Co., Omaha, Neb.	New Castle, City Roller Mills.	984	15.77	9.62	9.00
10005	Peters' King Corn Alfalfa Feed, M. C. Peters Mill Co., Omaha, Neb.	Canonsburg, Wm. H. Dunalp, Jr.	1105	15.57	10.00	9.00
9773	Peters' King Corn Alfalfa Feed, M. C. Peters Mill Co., Omaha, Neb.	Monongahela, D. E. Gamble.	873	15.74	10.60	9.00
9754	Peters' King Corn Alfalfa Feed, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. C. Mountser,	854	15.41	9.53	9.00
		Average, .....	.....	15.62	9.94	.....
9721	Pioneer Horse Feed, Pioneer Cereal Co., Akron, Ohio.	Houston, W. M. Templeton & Sons.	821	15.61	11.51	10.00
9391	Pritts' Alfalfa Horse Feed, J. E. Pritts, Scottdale, Pa.	Scottdale, J. E. Pritts, ..	491	12.37	13.25	14-16
9166	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Mount Pleasant, J. H. Brown & Son.	266	14.70	10.84	10.00
9088	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Reading, I. S. Fry,	188	16.94	10.29	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.39	Per ct. 3.00	Per ct. 4.97	Per ct. 14.00	\$1 70	Corn, oats, harley, molasses and a small percentage of salt.	As certified,	9322
1.97	2.00	9.45	12.00	32 00	Corn, oats, alfalfa meal and molasses.	As certified,	8904
2.45	2.00	12.31	12.00	1 65	Corn, oats, alfalfa, meal and molasses.	As certified,	10016
2.21	.....	10.88	.....	32 50			
0.89	1.00	17.65	25.00	1 70	Alfalfa meal and syrup,	As certified,	10042
0.94	1.00	16.02	25.00	1 50	Alfalfa meal and molasses.	As certified,	9136
0.94	1.00	14.69	25.00	30 00	Alfalfa meal and molasses.	As certified,	9170
0.92	.....	16.12	.....	31 33			
2.69	2.00	10.06	15.00	1 75	Corn, oats, alfalfa and molasses.	As certified,	9774
2.83	2.00	9.79	15.00	35 00	Corn, oats, alfalfa and molasses.	As certified,	9763
2.45	2.00	10.39	15.00	1 85	Corn, oats, alfalfa and molasses.	As certified,	9756
2.32	2.00	10.39	15.00	36 00	Corn, oats, alfalfa and molasses.	As certified,	9286
2.57	.....	10.15	.....	35 75			
1.20	0.50	22.81	26.00	1.60	Pure alfalfa meal light with molasses.	As certified,	9755
1.57	1.50	13.66	18.00	1 70	Corn, oats, alfalfa and molasses.	As certified,	9884
2.13	1.50	11.93	18.00	32 00	Corn, oats, alfalfa and molasses.	As certified,	10005
2.11	1.50	13.71	18.00	1 75	Corn, oats, alfalfa and molasses.	As certified,	9773
1.63	1.50	12.54	18.00	1 80	Corn, oats, alfalfa and molasses.	As certified,	9754
1.87	.....	12.96	.....	34 25			
2.52	2.00	9.25	12.00	1 75	Corn, oats, alfalfa meal, salt and molasses.	As certified,	9721
4.02	4.50 -6.00	5.21	12.00	1 60	Alfalfa meal, wheat bran, wheat middlings, corn, oats and molasses.	As certified,	9391
3.38	2.50	9.70	12.00	1 65	Alfalfa meal, ground corn, whole oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and cottonseed meal.	As certified,	9166
3.49	2.50	9.41	12.00	1 65	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9088

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9149	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Latrobe, K. & L. Golde,	249	Per ct. 16.35	Per ct. 10.53	Per ct. 10.00
9539	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	West Milton, Grove Store Co.	639	14.12	10.37	10.00
9157	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, D. F. Kilgore	257	17.46	10.33	10.00
9563	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	New Kensington, A. H. Klugh.	603	15.50	9.96	10.00
9164	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, McFarland Supply Co.	264	17.16	10.40	10.00
9727	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch,	827	14.68	11.11	10.10
9154	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, Shapiro & Goldberg.	254	14.07	10.26	10.00
10191	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Indiana, St. Clair, Rinn & Co.	1291	12.56	9.10	10.00
8913	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	York, Strayer Bros. Co.	13	13.61	10.93	10.00
9059	Green Cross Horse Feed, The Quaker Oats Co., Chicago, Ill.	Reading, Ang. C. Wertz & Bro.	159	17.10	10.45	10.00
Average,					15.35	10.38
10173	Good Luck Feed with Molasses, Ralston Purina Co., St. Louis, Mo.	Norristown, Simpson Bros.	1273	14.58	10.24	9.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.85	Per ct. 2.50	Per ct 9.04	Per ct. 12.00	\$1.70	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9149
2.73	2.50	10.31	12.00	1.55	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9539
2.30	2.50	8.91	12.00	35.00	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9157
2.64	2.50	11.14	12.00	1.75	Alfalfa meal, ground corn, whole oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and cottonseed meal.	As certified,	9563
3.63	2.50	9.57	12.00	1.60	Alfalfa meal, ground corn, whole oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and cottonseed meal.	*As certified,	9164
2.18	2.50	9.93	12.00	1.71	Alfalfa meal, crushed corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9727
2.56	2.50	9.82	12.00	1.75	Alfalfa meal, ground corn, whole oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and cottonseed meal.	As certified,	9154
2.42	2.50	11.45	12.00	1.70	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	10191
3.34	3.00	9.89	10.50	34.00	Alfalfa meal, ground corn, whole oats, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts), and cottonseed meal.	As certified,	8913
3.12	2.50	9.37	12.00	32.00	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9059
2.89	.....	9.87	.....	33.50	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	10173
1.99	1.50	15.11	12.00	34.00			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9547	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Wilkinsburg, Johnson & Smith.	647	Per cent. 16.52	Per cent. 10.47	Per cent. 9.30
9775	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Donora, S. S. Kelly,	875	16.50	10.00	9.30
9748	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Butler, The Leedom & Worrall Co.	848	14.75	10.01	9.30
9978	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Media, M. C. Michener, ..	1078	14.55	10.93	9.30
9093	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Reading, Isaiah B. Seibert,	193	16.83	10.49	9.30
9133	Purina Feed and Molasses, Ralston Purina Co., St. Louis, Mo.	Johnstown, A. F. Stutzman & Co.	233	14.87	11.00	9.30
		Average, .....	.....	15.67	10.48	.....
9176	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Bradford, L. A. Fischer & Co.	276	17.80	9.71	9.00
9003	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Huntingdon, L. S. Goodman.	103	14.82	9.45	9.00
9357	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	Punxsutawney, Lauderbach-Barber Co.	457	13.82	10.32	9.00
8915	Purina Molasses Feed, Ralston Purina Co., St. Louis, Mo.	York, Strayer Bros. Co., ..	15	17.43	11.13	9.00
		Average, .....	.....	15.96	10.15	.....
9094	XX Good Feed with Molasses, Ralston Purina Co., St. Louis, Mo.	Reading, Isaiah B. Seibert,	194	16.14	11.13	9.00
9672	Stoek Feed, Scranton Flour and Grain Co., Scranton, Pa.	Scranton, Scranton Flour and Grain Co.	772	11.84	10.00	7-10
9102	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Johnstown, G. Bostert & Son.	202	18.12	11.91	10.00
10170	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Conshohocken, Henderson, Supplee & Son.	1270	14.72	13.03	10.00
		Average, .....	.....	16.42	12.47	.....
9632	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Montrose, Bertholf & Jenner.	782	23.25	5.47	4.61
9461	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Easton, The Easton Flour & Feed Co.	561	25.30	3.92	4.61

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Guaranteed.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopic Examination.	Chemist's number.
		Found.	Guaranteed.				
2.32	1.70	Per ct. 11.15	Per ct. 11.70	\$1 99	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9547
2.32	1.70	9.08	11.70	1 80	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9775
2.86	1.70	8.90	11.70	34 00	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9748
2.39	1.70	9.28	11.70	35 00	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9978
2.09	1.70	9.29	11.70	1 70	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9093
2.83	1.70	10.36	11.70	1 75	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9133
2.47	.....	9.67	.....	35 33			
2.56	1.50	9.33	12.00	1 75	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9176
2.46	1.50	8.45	12.00	1 70	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9003
2.51	1.50	8.84	12.00	34 00	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9357
2.94	1.50	8.42	12.00	35 00	Cracked corn, whole oats, ground alfalfa, molasses and 1 per cent. salt.	As certified,	8915
2.62	.....	8.76	.....	34 50			
3.13	1.50	9.12	12.00	32 00	Cracked corn, whole oats, ground grain screenings, ground alfalfa, molasses and 1 per cent. salt.	As certified,	9094
3.22	3-5	4.36	5-9	1 80	Oat screenings, corn, wheat bran and molasses.	Corn, wheat bran, oat screenings, buckwheat hulls and molasses.	9672
2.46	3.00	13.47	15.00	34 00	Corn, oats, alfalfa, linseed meal, molasses and 3/10 of 1 per cent. salt.	As certified,	9102
2.55	3.00	13.78	15.00	1 70	Corn, oats, alfalfa, linseed meal, molasses and 3/10 of 1 per cent. salt.	Corn, oats, barley, alfalfa meal, linseed oil meal, molasses, salt and small amount of weed seeds.	10170
2.51	.....	13.62	.....	34 00			
0.64	0.81	4.95	4.50	1 60	Pure cane sugar molasses mixed with a small percentage of sphagnum moss.	As certified,	9682
0.56	0.81	4.74	4.50	1 75	Pure cane sugar molasses with 16 per cent. cooked sphagnum moss and dehydrated.	As certified,	9461

TABLE IV.--ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9452	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Allentown, F. J. Erdman,	552	Per ct. 24.09	Per ct. 4.00	Per ct. 4.61
9426	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Howard, W. H. Long, ..	526	20.78	4.81	4.61
10097	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Manheim, Frank K. Nau- man.	1197	21.86	5.32	4.61
9796	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Meshoppen, C. B. Tyler, ..	896	21.54	5.55	4.61
10075	Xtra-Vim Feed, Xtravim Molasses Feed Co., Boston, Mass.	Chambersburg, Geo. Walker.	1175	17.02	5.33	4.61
PROPRIETARY CHOP FEEDS.				Average,	4.91	.....
9829	No. 1 Chop, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.,	929	9.94	10.88	8.50
9828	No. 2 Chop, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.,	928	10.19	10.75	5.5-9.5
9428	Mixed Chop, W. N. Brosha, Antes Fort, Pa.	Antes Fort, W. N. Brosha,	528	11.82	11.33	7-12
9279	Mixed Chop, City Flouring Mills Inc., Muncy, Pa.	Muncy, City Flouring Mills, Inc.	379	12.04	8.88	7.19
10105	Henkel's Chop Feed, Commercial Milling Co., Detroit, Mich.	Wellsboro, Farmers' Feed Store.	1205	9.58	9.13	8.00
9680	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Montrose, Berthoff & Jenner.	780	10.85	11.88	6-10
9791	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	891	10.91	11.31	6-10
9263	Mixed Chop, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King King.	363	10.30	11.75	6-10
Average,				10.68	11.65	.....
9875	Tuxedo Chop, The Early & Daniel Co., Cincinnati, Ohio.	New Castle, New Castle Feed Co.	975	13.24	12.51	12.50
9451	No. 1 Chop, F. J. Erdman, Allentown, Pa.	Allentown, F. J. Erdman,	551	11.38	11.81	8-12
9450	No. 2 Mixed Chop, F. J. Erdman, Allentown, Pa.	Allentown, F. J. Erdman,	550	10.23	12.38	7-12
9621	Mixed Chop, Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	721	11.93	11.88	11-44
9145	No. 1, Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Wallacon, E. K. Turner.	245	10.17	9.75	7-9

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 0.62	Per ct. 0.81	Per ct. 5.15	Per ct. 4.50	\$1 75	Pure cane sugar molasses with 16 per cent. cooked sphagnum moss and dehydrated.	As certified,	9452
0.59	0.81	5.52	4.50	1 75	Pure cane sugar molasses mixed with 16 per cent. cooked sphagnum moss and dehydrated, forming a dry feed.	As certified,	9426
0.59	0.81	5.78	4.50	34 00	Pure cane sugar molasses mixed with a small percentage of sphagnum moss.	As certified,	1009*
0.61	0.81	6.05	4.50	1.75	Pure cane sugar molasses mixed with a small percentage of sphagnum moss.	As certified,	9798
0.70	0.81	5.68	4.50	1 75	Pure cane sugar molasses mixed with a small percentage of sphagnum moss and dehydrated, forming a dry concentrated feed.	As certified,	10075
0.62	.....	5.41	.....	34 43			
5.36	2.60 -4.50	3.95	2.16 -4.50	2 00	Corn bran, corn and oats.	As certified,	9829
4.85	2.5-4.10	4.63	3.2-5.5	1 90	Oats, corn bran, corn and oat hulls.	As certified,	9828
3.71	3-5	4.08	4-8	1 60	Corn, oats, rye and wheat screenings.	As certified,	9428
3.81	3.30	4.02	9.00	30 00	Corn ear chop, oat feed and barley malt.	Corn ear chop, oat middlings, oat hulls and barley malt.	9279
4.83	5.00	8.29	11.50	1 60	Corn meal, rye and oat middlings, oats and oat hulls.	Corn meal, rye and oat middlings, oats and oat hulls and small amount of buckwheat.	10105
5.27	3-6	5.48	6-9	1 65	Corn, oat hulls, oat middlings and wheat bran and middlings, hominy and old process oil meal.	Corn, oat hulls, oat middlings, wheat bran, wheat middlings, hominy feed, old process linseed meal and small amount of buckwheat hulls.	9680
4.25	3-6	4.76	6-9	34 00	Corn, oat hulls, oat middlings and wheat bran and middlings, hominy and old process oil meal.	Corn, oat hulls, oat middlings, wheat bran, wheat middlings, hominy feed, old process linseed meal and trace of ground screenings.	9791
5.03	3-6	4.67	6-9	1 60	Corn, oat hulls, oat middlings and wheat bran and middlings, hominy and old process oil meal.	Corn, buckwheat, oat middlings, oat hulls, wheat bran, wheat middlings, hominy feed and old process linseed meal.	9263
4.85	.....	4.97	.....	33 00			
4.20	4.00	7.58	10.00	1 85	Alfalfa meal, corn, oats, molasses and brewers grains.	As certified,	9875
3.41	3-8	2.66	2-10	1.70	Oats, corn and low grade flour.	As certified,	9451
3.71	3-7	3.20	2-10	1 60	Corn and rye middlings.	As certified,	9450
3.51	3-5	3.50	4.00	30 00	Corn, oats, shorts, screenings and bran.	As certified,	9621
4.26	3-5	7.82	9.00	1 50	Ground corn and oats, and oat hulls, flour middlings, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9145

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.			
				Moisture.	Found.	Guaranteed.	
9444	Choice Mixed Chop, J. H. Hawk, Allentown, Pa.	Allentown, H. F. Gruver,	544	Per cent.	9.60	13.50	8-10
9401	C Chop, J. F. Hogsett & Son, Uniontown, Pa.	Uniontown, J. F. Hogsett & Son.	501	Per cent.	12.10	10.94	8.00
9687	Mixed Chop, Honesdale Milling Co., Honesdale, Pa.	Honesdale, Honesdale Milling Co.	787	Per cent.	11.91	8.88	7-9
9325	Imperial Feed Meal, Imperial Grain and Milling Co., Toledo, Ohio.	Beaver Falls, Dodds & Garrett.	425	Per cent.	8.68	8.81	7.00
9326	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Beaver Falls, Dodds & Garrett.	426	Per cent.	8.56	8.38	8.00
9898	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Sharon, Frank Maley, ..	998	Per cent.	9.62	8.88	8.00
9342	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Blairsville, Geo. J. New,	442	Per cent.	9.09	9.44	8.00
9319	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Rochester, Rochester Seed & Supply Co.	419	Per cent.	8.96	9.19	8.00
9712	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Russell Brothers.	812	Per cent.	10.02	8.56	8.00
Average,				Per cent.	9.25	8.89	.....
16043	Mixed Chop Feed, Johnston & Co., Franklin, Pa.	Franklin, Johnson & Co.,	1143	Per cent.	10.28	10.00	.....
9445	Mixed Chop, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, H. F. Gruver,	545	Per cent.	12.45	8.69	8-10
10014	Special C. O. & B. Chop Feed, John Lachman & Co., Hayes, Pa.	Braddock, John Lachman,	1114	Per cent.	8.72	8.50	7-9
9870	Puritan No. 2 Chop, The Lake Shore Elevator Co., Cleveland, Ohio.	New Castle, F. W. Hutchinson & Son.	970	Per cent.	9.34	9.33	7.80
9446	Mixed Chop, M. M. Lauden-slayer, Macungie, Pa.	Allentown, Edwin S. Koch.	546	Per cent.	10.82	11.63	7-12
9486	Mixed Chop, M. M. Lauden-slayer, Macungie, Pa.	Allentown, The Geo. B. Shelly Estate.	536	Per cent.	10.83	11.31	7-12
9440	Mixed Chop, M. M. Lauden-slayer, Macungie, Pa.	Allentown, A. T. Stover Estate.	540	Per cent.	10.48	11.81	7-12
Average,				Per cent.	10.71	11.58	.....
9424	Standard Chop, W. H. Long, Howard, Pa.	Howard, W. H. Long,	524	Per cent.	12.19	12.06	8-10
9825	No. 1 Chop, Luzerne Milling Co., Luzerne, Pa.	Luzerne, Luzerne Milling Co.	925	Per cent.	9.86	11.31	10.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.60	Corn, rye and hominy.	As certified,	9441
5.61	4-6	4.67	3-4				
4.00	3.00	4.00	8.00	30.00	Corn, oats, rye and oat hulls.	As certified,	9401
3.88	3-5	6.85	10-12	37.00	Corn, oats, oat feed and corn bran.	Corn, corn bran, oats, oat middlings, and oat hulls.	9887
3.98	2.50	7.51	9.00	1.70	Ear corn, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9325
3.38	3.50	9.28	9.00	1.50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat shorts, oat hulls, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9326
3.84	3.50	8.67	9.00	1.60	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat shorts, oat hulls, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9898
4.11	3.50	7.15	9.00	1.50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat shorts, oat hulls, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9342
3.54	3.50	8.26	9.00	1.50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat shorts, oat hulls, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9319
3.51	3.50	8.84	9.00	1.50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat shorts, oat hulls, and salt $\frac{1}{2}$ of 1 per cent.	As certified,	9712
3.68	.....	8.44	.....	1.52			
4.22	.....	5.56	.....	1.60	Corn, oats and oat feed.	Corn, oats, oat middlings, oat hulls, and small amount of buckwheat middlings.	10043
2.76	3-6	2.67	4-7	1.60	Rye screenings, corn, rye and oats.	As certified,	9445
4.00	3.50 -4.50	10.91	6-8	30.00	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified,	10014
4.04	3.00	9.82	8.86	1.40	Corn, oats and oat hulls.	Corn, oats, oat hulls, and trace of buckwheat and ground screenings.	9870
4.10	2-6	5.10	3-10	1.65	Corn, ear corn, rye middlings, hominy feed and oats.	As certified,	9446
4.21	2-6	5.62	3-10	1.65	Corn, ear corn, rye middlings, hominy feed and oats.	As certified,	9436
4.10	2-6	5.25	3-10	1.65	Corn, ear corn, rye middlings, hominy feed and oats.	As certified,	9440
4.14	.....	5.32	.....	1.65			
4.07	3-4	3.78	3-11	1.70	Corn, oats, rye wheat middlings and hominy feed.	As certified,	9424
4.30	3.50	4.99	9.00	1.95	Corn, oats and wheat middlings.	As certified,	9825

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9826	No. 2 Chop, Luzerne Milling Co., Luzerne, Pa.	Luzerne, Luzerne Milling Co.	926	Per et. 9.70	Per et. 10.56	Per et. 9.00
9805	Corn and Oats Chop, C. P. Matthews & Sons, Inc., Wilkes-Barre, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	905	10.94	12.44	7-9
9810	Mixed Chop, Millard & Seurman, Kingston, Pa.	Wilkes-Barre, John Albrandt.	910	11.00	10.13	8-10
9648	Mixed Chop, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	748	11.62	10.38	8-11
9697	Mixed Chop, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	797	11.57	9.31	8-11
		Average, .....	.....	11.59	9.85	.....
9647	No. 1 Chop, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	747	11.48	10.56	10-12
8995	Park City Chop, The Mollett Grain & Milling Co., McClure, Ohio.	Everett, C. Howard,	95	10.53	10.25	8-9
9400	Mixed Chop, F. V. Perry, Scottsdale, Pa.	Scottdale, F. V. Perry, ..	500	11.76	10.44	8.00
9045	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Myerstown, E. L. Bleistein.	145	9.30	9.00	10.00
9113	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Windber, Claude Davis,	213	8.36	8.44	10.00
9147	Corn and Oats Chop, The Pioneer Cereal Co., Akron, Ohio.	Wallaeton, E. K. Turner.	247	8.43	8.12	10.00
		Average, .....	.....	8.69	8.86	.....
9814	A Chop, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	914	9.78	11.13	8-11
9813	B Chop, Rohrhins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Millin Co.	913	10.07	10.25	8-10
9824	No. 1 Chop, Samuel Rauh & Son, Luzerne, Pa.	Luzerne, Samuel Rauh & Son.	924	11.12	11.88	10-13
9823	No. 2 Chop, Samuel Rauh & Son, Luzerne, Pa.	Luzerne, Samuel Rauh & Son.	923	10.68	11.19	10-13
9820	No. 1 Mixed Chop, Schooley & Son, Luzerne, Pa.	Luzerne, Schooley & Son,	920	10.42	12.56	12.04
9819	No. 2 Mixed Chop, Schooley & Son, Luzerne, Pa.	Luzerne, Schooley & Son,	919	9.42	9.25	8.67
9460	Mixed Chop, A. W. Sandt, Martin's Creek, Pa.	Easton, The Easton Flour & Feed Co.	560	9.82	9.06	8.70
9171	Fresh Ground Chop, James F. Stanton & Sons, New Stanton, Pa.	New Stanton, James F. Stanton & Son.	271	12.25	11.44	8.00
9130	Camp's C. O. & B. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman.	230	11.31	8.38	7-9
9289	Camp's C. O. & B. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Pittsburgh, Wm. N. Gordon & Co.	389	10.41	8.44	7-9
9346	Camp's C. O. & B. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Blairsville, Smith & McElvay.	446	10.54	9.19	7-9
		Average, .....	.....	10.75	8.67	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.30	Per ct. 3.60	Per ct. 6.20	Per ct. 9.00	\$1.85	Corn, oat middlings, wheat middlings and grain screenings.	Corn, oats, oat middlings, wheat middlings, grain screenings and trace of buckwheat hulls.	9826
6.66	3-5	4.71	6-7	37.00	Corn, oats, hominy and oat hulls.	Corn, oats, oat hulls, hominy feed and trace of cottonseed meal, malt sprouts and and buckwheat hulls.	9805
5.53	4-6	4.74	4-6	1.95	.....	Corn, oats wheat bran and wheat middlings.	9810
3.94	4-6	4.68	5-6	1.85	Corn, wheat middlings and oat hulls.	Corn, broken grains of wheat and rye, wheat middlings and oat hulls.	9648
3.50	4-6	5.63	5-6	1.90	Corn, wheat middlings and oat bran.	Corn, ground oats and oat hulls, wheat middlings, flaxseed, pea meal and buckwheat hulls.	9697
3.72	.....	5.15	.....	1.88			
4.64	3.5-6	5.32	3-5	1.95	Corn, oats and middlings.	As certified,	9647
3.72	3.50-4.50	7.98	8.5-9	1.60	Corn, oats and oat hulls.	As certified,	8995
3.26	4.00	4.25	8.00	29.00	Corn, oats and oat feed.	Corn, oats, oat middlings and oat hulls.	9400
4.66	4.00	7.88	9.00	1.45	Corn, oat middlings, oat shorts and oat hulls.	As certified,	9045
4.31	4.00	9.79	9.00	1.50	Corn, oat middlings, oat shorts and oat hulls.	As certified,	9113
4.52	4.00	8.09	9.00	1.50	Corn, oat middlings, oat shorts and oat hulls.	As certified,	9147
4.50	.....	8.58	.....	1.48			
4.98	3-5	7.92	5-7	39.00	Corn, hominy, oats, rye middlings, oat middlings and hulls.	As certified,	9814
5.27	4-5	7.30	6-8	37.00	Corn, hominy, oat middlings and hulls.	As certified,	9813
4.07	2-4	3.53	3-5	2.00	Corn, oats and rye middlings.	As certified,	9824
3.77	2-4	4.07	3-5	1.90	Corn, light oats and rye middlings.	As certified,	9823
4.45	4.44	4.53	5.70	2.00	Corn, oats and white middlings.	As certified,	9820
3.53	2.86	5.20	5.03	1.90	Corn, oats and oat middlings.	As certified,	9819
3.02	2.08	6.34	4.10	1.50	Corn, rye, rye feed and oats.	Corn, oats, rye, rye bran and rye middlings.	9460
4.32	3.00	4.82	5.00	27.00	Corn, oats and wheat screenings.	As certified,	9171
3.46	3.50 4.50	5.11	6-8	1.50	White corn, oats, barley, wheat flour, oat middlings, oat groats and oat hulls.	White corn, oats, oat middlings, oat groats, oat hulls and wheat flour.	9130
3.95	3.50-4.50	6.33	6-8	1.50	White corn, oats, barley, oat middlings, oat groats and oat hulls.	White corn, oats, oat middlings, oat groats, oat hulls and small amount of barley.	9289
3.70	3.50-4.50	6.02	6-8	1.60	White corn, oats, barley, oat middlings, oat groats and oat hulls.	As certified,	9346
3.70	.....	5.82	.....	1.53			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9421	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Lock Haven, M. L. Claster.	521	Per cent. 10.71	Per cent. 9.75	Per cent. 7-8
9208	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Clarion, E. T. Kahle & Son.	308	9.77	8.31	7-8
9140	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Philipsburg, J. O. Reed,	240	9.24	9.50	7-8
9726	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Washington, C. B. Ruch,	826	10.69	9.13	7-8
9348	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Blairsville, Smith & Mc Kelvey.	448	11.14	8.81	7-8
9515	Camp's Little Wonder Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	DuBois, Timlin, Kelly & Co.	615	11.21	10.06	8.00
		Average, .....	.....	10.46	9.26	.....
9420	Camp's M. D. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Lock Haven, M. L. Claster.	520	10.46	9.13	7-9
9124	Camp's M. D. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	South Fork, J. E. Crisman.	224	10.32	8.63	7-9
9872	Camp's M. D. Chop Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	New Castle, Fisher & Mengle.	972	10.28	9.63	7-9
9548	Camp's M. D. Chop Feed, The Toledo, Grain & Milling Co., Toledo, Ohio.	Wilkinsburg, Johnson & Smith.	648	10.56	9.44	7-9
		Average, .....	.....	10.46	9.21	.....
9144	Mixed Chop, E. K. Turner, Wallacetton, Pa.	Wallacetton, E. K. Turner.	244	10.95	12.88	6-8
9615	Standard Chop, C. Y. Wagner, Bellefonte, Pa.	Bellefonte, C. Y. Wagner.	715	11.55	12.19	10-12
9812	Chop, Wilkes-Barre Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, John Albrandt.	912	11.29	10.06	3-6
	PROPRIETARY CALF MEALS.					
9785	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Towanda, Dayton Milling Co.	885	10.02	15.75	24-26
9643	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Lewistown, Spanogle-Yeager Milling Co.	743	10.63	24.50	24-26

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	White and yellow corn, oats, barley, oat middlings, oat groats and oat hulls.	9121
3.72	3-4	6.86	7-9				
3.70	3-4	7.15	7-9	1.60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9203
4.20	3-4	7.78	7-9	1.60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9140
3.41	3-4	6.16	7-9	1.60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9726
3.78	3-4	6.50	7-9	1.50	Yellow or shelled corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9348
3.50	4.00	6.68	8.00	1.50	Yellow or white corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9515
3.72	.....	6.85	.....	1.57			
3.58	3.50-4.50	7.30	7-9	1.60	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	White and yellow corn, corn, rolled barley, oats, oat middlings, oat groats and oat hulls.	9420
3.95	3.50-4.50	6.59	7-9	1.50	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9124
3.69	3.50-4.50	7.15	7-9	1.80	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9872
3.95	3.50-4.50	6.62	7-9	1.65	White or yellow corn, oats, oat middlings, oat groats and oat hulls.	As certified,	9548
3.79	.....	6.91	.....	1.64			
4.62	1-2	5.53	9.00	1.60	Corn, oats and middlings.	Corn, oats, huckwheat and wheat middlings	9144
4.53	3-4	6.97	5-6	31.00	Corn, barley, oats and middlings.	As certified,	9615
3.25	7-10	4.38	4-9	1.95	Corn, hominy meal, oat middlings, oat shorts, oat shorts and oat hulls.	Corn, hominy meal, oat middlings, oat shorts, oat hulls and trace of huckwheat hulls.	9812
5.75	5-6	6.57	5.00-6.75	57.00	Locust bean meal, unpressed flaxseed, wheat flour, ground beans and peas, oil meal, cocoa shells, cocoanut meal, re-cleaned cottonseed meal, foenugreek, dried milk and salt.	As certified,	9785
5.50	5-6	6.10	5.00-6.75	3.25	Locust bean meal, unpressed flaxseed, wheat flour, ground beans and peas, oil meal, cocoa shells, cocoanut meal, re-cleaned cottonseed meal, foenugreek, dried milk, salt, barley flour and anise.	As certified,	9343

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9058	Blatchford's Calf Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Reading, Aug. C. Wertz & Bro.	158	Per ct. 11.35	Per ct. 24.88	Per ct. 24-26
		Average,		10.66	25.04	.....
8994	Clover Leaf Calf Meal, Clover Leaf Milling Co., Buffalo, N. Y.	Bedford, H. H. Lysinger,	94	10.35	25.81	25.00
9618	Clover Leaf Calf Meal, Clover Leaf Milling Co., Buffalo, N. Y.	Bellefonte, C. Y. Wagner.	718	9.81	25.63	25.00
		Average,		10.08	25.72	.....
8954	Calf Meal, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	54	9.17	16.81	14-16
		Average,		8.90	27.56	25.00
9195	International Grofast Calf Meal, International Stock Food Co., Minneapolis, Minn.	Bradford, C. L. Douglass,	295			
9086	International Grofast Calf Meal, International Stock Food Co., Minneapolis, Minn.	Womelsdorf, W. Thos. Miller.	186	9.23	27.13	25.00
		Average,		9.06	27.35	.....
9847	Ox-O Pure Calf Meal, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, The New Oxford Pure Feed Co.	947	7.64	26.56	25.00
9128	Sugarota Calf Meal, Northwest Mills Co., Winona, Minn.	South Fork, J. E. Crissman.	228	10.60	26.81	25.00
8925	Sugarota Calf Meal, Northwest Mills Co., Winona, Minn.	Hanover, Geo. Hull & Sons.	25	10.15	24.50	25.00
		Average,		10.37	25.66	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.				
Per ct.	Per ct.	Per ct.	Per ct.			
6.00	5.6	6.37	5.00- 6.75	\$3 50	Locust bean meal, crushed flaxseed, wheat flour, ground beans and peas, oil meal, cocoanut meal, cocoa shells, re-cleaned cottonseed meal, foenugreek and salt.	As certified, 9058
5.75	.....	6.34	.....	64 00	Wheat flour, malt flour, linseed meal, cottonseed meal, and a small percentage of salt.	As certified, 8934
5.79	5.00	6.24	7.00	3 60	Wheat flour, malt flour, linseed meal, cottonseed meal, and a small percentage of salt.	As certified, 9618
5.42	5.00	5.92	7.00	4 00	Wheat flour, malt flour, linseed meal, cottonseed meal, and a small percentage of salt.	As certified, 8954
5.61	.....	6.08	.....	3 80	Cooked and baked wheat feed, flour, cottonseed meal and linseed meal, wheat shorts, pure ground flaxseed and oat meal.	As certified, 9195
3.29	4-6	3.03	6-8	48 00	Foenugreek seed, locust bean, linseed oil meal, dried brewers grains, flaxseed, gluten feed, malt sprouts, pea meal, distillers dried grains, red dog flour and mixed broken grains of cereal plants separated from wheat, oats, barley, and flax screenings.	As certified, 9086
7.38	5.09	8.29	10.00	4 00	Old process linseed meal, foenugreek, locust bean meal, flaxseed meal, brewers dried grains, malt sprouts, gluten feed, pea meal, distillers dried grains, wheat middlings and mixed broken grains from wheat oats, barley and flaxseed.	As certified, 9847
6.99	5.00	7.92	10.00	2 75	Linseed meal, cottonseed meal, wheat middlings, dried brewers grains, sugar and $\frac{1}{2}$ of 1 per cent. salt.	As certified, 9128
7.19	.....	8.10	.....	3 38	Pulverized wheat, pulverized malt, linseed meal and cottonseed meal.	As certified, 8925
6.46	5.50	7.65	5.50	50 00	Pulverized wheat, pulverized malt, linseed meal and cottonseed meal.	As certified, 8925
5.94	6.00	5.43	6.00	3 25		
5.32	6.00	3.46	6.00	3 50		
5.63	.....	4.44	.....	3 38		

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9034	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Palmyra, Early & Detweller.	134	Per et. 8.75	Per et. 18.81	Per et. 19.00
9587	Schumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Coudersport, Eulalia Mills.	687	9.35	20.69	19.00
10069	Ryder's Cream Calf Meal, Ryde & Co., Chicago, Ill.	Average, Chambersburg, Diehl, Omwake & Diehl.	1169	9.05	19.75	..... 25.00
9362	Ryde's Cream Calf Meal, Ryde & Co., Chicago, Ill.	Sunbury, Kift Milling Co.	462	10.81	24.13	25.00
9501	Ryde's Cream Calf Meal, Ryde & Co., Chicago, Ill.	Ridgway, Smith Brothers Co.	601	10.87	23.50	25.00
9200	Ryde's Cream Calf Meal, Ryde & Co., Chicago, Ill.	Reynoldsville, J. H. Spears.	300	10.58	24.13	25.00
9915	Ryde's Cream Calf Meal, Ryde & Co., Chicago, Ill.	Warren, Warren City Mills.	1015	10.13	25.95	25.00
	PROPRIETARY SWINE FEEDS.	Average,		10.55	25.13	.....
9919	Blatchford's Pig Meal, The Blatchford Calf Meal Factory, Waukegan, Ill.	Warren, Frank Trusler,	1019	10.51	19.31	18.00
10007	Diamond Hog Meal, Corn Products Refining Co., New York, N. Y.	Canonshurg, Canonshurg Milling Co.	1107	8.71	20.63	18.00
10197	Diamond Hog Meal, Corn Products Refining Co., New York, N. Y.	Homer City, Thomas K. George.	1297	*7.35	*19.44	18.00
9173	Diamond Hog Meal, Corn Products Refining Co., New York, N. Y.	Indiana, Hetrick, Wilson & Co.	273	6.57	26.63	18.00
9545	Diamond Hog Meal, Corn Products Refining Co., New York, N. Y.	Apollo, L. Todd Owens,	645	7.10	23.94	18.00
	Average,			7.46	23.73	.....
8948	Hog Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman,	48	10.88	10.94	8-10
9753	International Hog Feed and Charcoal, International Sugar Feed Co., Minneapolis, Minn.	Farnassus, Johnston and Hamilton.	853	14.60	23.56	22.50

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 8.85	Per ct. 8.00	Per ct. 3.13	Per ct. 3.00	\$3 00	.....	9034
8.97	8.00	2.85	3.00	3 50	Oat meal, wheat meal, ground flaxseed, cottonseed meal, dried meal, dried casein and sodium bi-carbonate. As certified,	9587
8.91	.....	2.99	.....	3 25		
5.97	5.00	5.61	6.00	4 00	Carob beans, flaxseed, wheat flour, cottonseed meal, beans and lentiles, foenugreek anise, cocoa meal and trace of salt.	10069
4.52	5.00	4.86	6.00	3 00	Carob beans, flaxseed, wheat flour, cottonseed meal, beans and lentiles, foenugreek anise, cocoa meal and trace of salt.	9342
4.83	5.00	4.68	6.00	3 50	Carob beans, flaxseed, wheat flour, cottonseed meal, beans and lentiles, foenugreek anise, cocoa meal and trace of salt.	9591
5.41	5.00	6.01	6.00	4 00	Carob beans, flaxseed, wheat flour, cottonseed meal, beans and lentiles, foenugreek anise, cocoa meal and trace of salt.	9200
6.13	5.00	6.72	6.00	4 00	Carob beans, flaxseed, wheat flour, cottonseed meal, beans and lentiles, foenugreek anise, cocoa meal and trace of salt.	9915
5.38	.....	5.57	.....	3 70		
4.52	5.00	8.19	7.00	3 50	Linseed oil meal, oat meal, wheat flour, barley meal, re-cleaned cottonseed, cocoa shell meal, bean meal, crushed flaxseed, foenugreek salt.	9919
8.83	6.50	12.44	13.00	1 50	Bone meal and corn,	10007
*22.10	6.50	*8.22	13.00	*1 65	Bone meal and corn	10197
10.17	6.50	9.30	13.00	32 00	Corn oil cake and bone meal.	9173
7.60	6.50	12.26	13.00	1 65	Corn oil cake and bone meal.	9546
8.87	.....	11.33	.....	31 67		
3.07	3-4	4.44	11-12	25 00	Grain screenings, corn chops and rye chop, Old process oil meal, tankage, molasses, grain middlings, charcoal and salt.	8948
4.55	5.00	14.44	12.00	1 80	Old process linseed meal, ground grain screenings, tankage, molasses, charcoal and salt	9753

*Excluded from average.

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9522	Special Pig Grower, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan,	622	Per et. 8.46	Per et. 16.88	Per et. 15.00-15.87
8938	Ox-O Pure Cane Molasses Swine Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	38	7.00	21.25	20.00
9861	Ox-O Pure Cane Molasses Swine Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlhenny.	961	8.22	24.19	20.00
9845	Ox-O Pure Cane Molasses Swine Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, New Oxford Pure Feed Co.	945	7.94	24.00	20.00
9393	Pritt's Pig Feed, J. E. Pritt, Scottdale, Pa.	Average, Scottdale, J. E. Pritt,	493	7.72	23.15	.....
10068	Crushed Flaxseed, Unknown,	West Milton, Grove Store Co.	635	9.18	15.56	15.00
	MISCELLANEOUS FEEDS.	Chambersburg, Diehl, Omwake & Diehl.	1168	9.03	24.26	.....
9335	Ground Puffed Wheat, The Quaker Oats Co., Chicago, Ill.	New Brighton, J. H. Hornby & Son.	435	14.10	9.13	.....
9800	Argentine Corn Meal, Sterling & Sherwood, Meshoppen, Pa.	Meshoppen, Sterling & Sherwood.	900	11.96	9.88	.....
9142	Camp's Corn Meal, The Toledo Grain & Milling Co., Toledo, Ohio.	Munson Station, Jacob Smutzinger.	242	10.22	9.33	7.5-9
9516	Camp's Yellow Corn Meal, The Toledo Grain & Milling Co., Toledo, Ohio.	DuBois, Timlin, Kelly & Co.	616	12.12	8.25	.....
	MISCELLANEOUS CHOP FEEDS.	Average, .....	.....	12.10	9.16	.....
10157	Corn Chop, J. H. Hornby & Son, New Brighton, Pa.	New Brighton, J. H. Hornby & Son.	1257	8.81	12.19	.....
10158	Montana White Oats Chop, Unknown.	Lansdale, F. P. Cassel & Son.	1258	8.55	13.75	.....
	Peoria No. 2 White Oats Chop, Unknown.	Average, .....	.....	8.68	12.97	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.	
	Found.	Guaranteed.					
Per ct. 7.21	Per ct. 8.00-8.50	Per ct. 6.92	Per ct. 6-7	\$32 00	Brewers dried grains, malt sprouts, cottonseed meal, and hominy meal.	As certified,	9522
5.25	4.50	8.21	5.50	32 00	New process linseed meal, cottonseed meal, corn gluten feed, wheat middlings, wheat bran, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8938
4.28	4.50	8.80	5.50	1 60	New process linseed meal, cottonseed meal, corn gluten feed, wheat middlings, wheat bran, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9861
4.42	4.50	8.88	5.50	32 00	New process linseed meal, cottonseed meal, corn gluten feed, wheat middlings, wheat bran, ground corn, brewers grains, malt sprouts, pure cane molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9845
4.65	.....	8.63	.....	32 00			
3.70	3-4	7.31	4.50-6.50	1 60	Corn chop, wheat middlings, charcoal, alfalfa meal, low grade flour and digester tankage.	As certified,	9393
2.98	2.50	2.57	1.50	1 55	Made from ground puffed wheat.	As certified,	9535
31.47	.....	6.64	.....	5 00	.....	Crushed faxseed,	10068
3.81	.....	1.93	.....	1 55	.....	Corn chop,	9335
5.42	.....	2.42	.....	1 75	.....	Corn chop,	9860
5.58	3.50-4.50	4.00	6-8	1 60	Corn and corn siftings,	As certified,	9142
3.19	.....	3.72	.....	1 65	Pure and unadulterated corn meal.	As certified,	9516
4.49	.....	3.01	.....	1 64			
5.73	.....	8.75	.....	2.25	.....	Oats chop,	10157
5.42	.....	8.14	.....	2.00	.....	Oats chop,	10158
5.58	.....	8.44	.....	2 13			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
CORN AND OATS CHOP.						
9603	Corn and Oats Chop, Geo. C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, Geo. C. & F. A. Brooks.	709	Per ct. 11.59	Per ct. 11.31	Per ct.
9018	Superior Corn and Oats Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark,	118	16.75	11.31	10.00
10028	Corn and Oats Feed, Crouch Brothers Co., Erie, Pa.	Oil City, Clyde D. Duffee.	1128	10.56	10.44	8.75
9497	Corn and Oats Feed, Crouch Brothers Co., Erie, Pa.	Ridgway, Smith Brothers Co.	537	12.00	9.81	8.75
9197	Corn and Oats Feed, Crouch Brothers Co., Erie, Pa.	Reynoldsville, J. H. Spears.	297	11.19	10.06	8.75
9730	Corn and Oats Chop, Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	890	11.07	10.25	.....
9596	Fine Ground Corn and Oats—Half and Half, Globe Elevator Co., Buffalo, N. Y.	Westfield, F. A. Ackley.	696	11.42	10.19	.....
9900	Crushed Corn and Oats—Half and Half, Globe Elevator Co., Buffalo, N. Y.	Kane, Swanson, Grocery Co.	1000	11.16	10.69	.....
9334	Corn and Oats Chop, J. H. Hornby & Son, New Brighton, Pa.	New Brighton, J. H. Hornb., & Son.	434	13.85	10.01	.....
9107	Corn and Oats Chop, Johnstown Milling & Provision Co., Johnstown, Pa.	Johnstown, Johnstown Milling & Provision Co.	207	10.88	9.38	.....
9015	Cow Chop, Klepser Brothers, Martinsburg, Pa.	Altoona, Klepser Brothers.	115	12.52	9.94	7.00
8966	Corn and Oats Chop, Levan & Sons, Lancaster, Pa.	Lancaster, Levan & Sons,	66	10.73	10.50	.....
9637	Corn and Oats Chop, W. H. Manbeck & Son, Mifflin, Pa.	Mifflin, W. H. Manbeck & Son.	737	10.86	10.19	7-10
10022	Corn and Oats Chop, New Model Milling Co., Oil City, Pa.	Oil City, New Model Milling Co.	1122	10.56	11.19	.....
9574	Corn and Oats Feed, Port Allegany Milling Co., Port Allegany, Pa.	Port Allegany, Port Allegany Milling Co.	674	11.03	10.81	.....
9589	Pure Fine Ground Corn and Oats, H. Z. Pride & Son, Westfield, Pa.	Westfield, H. Z. Pride & Son.	639	12.58	11.25	.....
9894	Corn and Oats Chop, Sharon Flour & Feed Milling Co., Sharon, Pa.	Sharon, Sharon Flour & Feed Milling Co.	994	10.48	11.00	.....
9123	Corn and Oats Chop, Swope Brothers, Johnstown, Pa.	Johnstown, Swope Brothers.	223	10.95	10.06	11.00
10032	Corn and Oats Chop, Titusville City Mills, Titusville, Pa.	Titusville, Titusville City Mills.	1132	11.11	10.56	.....
9914	Corn and Oats Chop, Warren City Mills, Warren, Pa.	Warren, Warren City Mills.	1014	10.57	11.00	.....
9717	Corn and Oats Chop, Waynesburg Milling Co., Waynesburg, Pa.	Waynesburg, Waynesburg Milling Co.	817	11.87	10.31	.....
	AVERAGE,		.....	11.32	10.49	.....
CORN, OATS AND BARLEY CHOPS.						
9611	Corn, Oats and Barley Feed, Geo. C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, Geo. C. & F. A. Brooks.	711	11.76	11.75	9-10
10121	Corn, Oats and Barley Chop, Nickel Plate Flour Mills, Erie, Pa.	Erie, Nickel Plate Flour Mills.	1221	13.33	10.56	.....
	AVERAGE,		.....	12.54	11.16	.....
PROPRIETARY POULTRY FOODS.						
9584	Mixed Chicken Feed, Acme Milling Co., Olcan, N. Y.	Coudersport, Gates Brothers.	684	11.60	11.06	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed	Found.	Guaranteed				
Per ct.	Per ct.	Per ct.	Per ct.	\$34.00	Corn and oats,.....	As certified,	9609
4.29	.....	4.57	.....		.....	Corn and oats,.....	9018
4.37	3.00	5.53	15.00	33.00	.....	Corn and oats,	10028
4.66	4.05	4.64	3.42	1.70	.....	Corn and oats,	9497
4.05	4.05	3.10	3.42	1.85	.....	Corn and oats,	9197
4.49	4.05	3.89	3.42	1.70	.....	Corn and oats,	9790
4.32	.....	4.13	.....	35.00	Corn and oats,	As certified,	9596
5.26	.....	6.28	.....	1.65	.....	Corn and oats,	9300
4.86	.....	7.70	.....	38.00	.....	Corn and oats and a small amount of ground screenings.	9324
3.72	.....	2.48	.....	1.55	.....	Corn and oats,	9107
4.90	.....	4.24	.....	1.60	Corn and oats,	As certified,	9015
3.73	3.00	3.64	7-9	1.60	Corn and oats,	As certified,	8966
4.42	.....	3.99	.....	1.70	Corn and oats,	As certified,	9637
4.30	2-5	3.10	2-4	1.75	Corn and oats,	As certified,	10022
4.75	.....	5.50	.....	1.70	Corn and oats,	As certified,	9574
4.20	.....	4.59	.....	1.65	Pure corn and oats,	As certified,	9589
4.29	.....	4.65	.....	1.65	.....	Corn and oats,	9394
4.66	.....	5.37	.....	1.60	.....	Corn and oats and trace of buckwheat hulls.	9123
3.81	5.00	4.09	8.00	32.00	.....	Corn and oats,	10032
3.98	.....	4.59	.....	35.00	Corn and oats,	Corn, oats and trace of buckwheat hulls.	9914
4.55	.....	7.47	.....	1.70	.....	Corn and oats,	9717
4.57	.....	4.59	.....	2.00	Corn and oats,	As certified,	9611
4.39	.....	4.67	.....	34.05	.....	Corn, oats, barley and a large amount of weed seeds.	10121
4.16	4-5	5.56	4-5	30.00	.....	Corn, oats and barley,	9584
4.25	.....	5.77	.....	32.00	.....	.....
4.21	.....	5.66	.....	31.00	.....	.....
3.15	.....	2.71	.....	1.90	.....	Corn, oats, wheat, barley, rye, sunflower seed and trace of weed seeds.	

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9257	Aleeda Chick Feed, Altoona Grain & Feed Co., Altoona, Pa.	Altoona, Altoona Grain & Feed Co.	357	Per ct. 9.84	Per ct. 12.50	Per ct. 9.00
9258	Chicken Scratch Feed, Altoona Grain & Feed Co., Altoona, Pa.	Altoona, Altoona Grain & Feed Co.	358	12.31	10.88	3.00
9244	Sucrene Chick Feed, American Milling Co., Peoria, Ill.	Altoona, Fay-Hutchinson & Co.	344	11.40	11.60	10.00
9327	Sucrene Scratch Feed, American Milling Co., Peoria, Ill.	Beaver Falls, Dodds & Garrett.	427	11.89	11.88	10.00
9245	Sucrene Scratch Feed, American Milling Co., Peoria, Ill.	Altoona, Fay-Hutchinson & Co.	345	11.00	11.56	10.00
9953	Sucrene Scratch Feed, American Milling Co., Peoria, Ill.	West Chester, E. Dallett Hemphill.	1053	10.37	11.06	10.00
9406	Sucrene Scratch Feed, American Milling Co., Peoria, Ill.	Uniontown, King Brothers.	500	12.82	12.56	10.00
8907	Hen Feed, Anderson Brothers & Co., York, Pa.	Average, .....	.....	11.52	11.77	.....
		York, Anderson Brothers & Co.	7	11.87	9.75	9.06
8908	Hen-O-La Mash Feed, Anderson Brothers & Co., York, Pa.	York, Anderson Brothers & Co.	8	8.44	14.75	11.00
9001	Hen-O-La Mash, H. O. Andrews, Mapleton, Pa.	Mapleton, H. O. Andrews.	101	7.97	11.13	10-12
9560	Portage Scratch Feed, The Akron Feed & Milling Co., Akron, Ohio.	New Kensington, A. H. Klugh.	660	11.09	11.06	10.00
9833	Chicken Mash, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.	933	7.54	14.31	12-14
9834	Mixed Chicken Feed, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.	934	10.44	9.38	7-10
9835	Hen Food, Bergin & Co., Nanticoke, Pa.	Nanticoke, Bergin & Co.	935	10.94	10.94	8-11
9254	Eclipse Breakfast Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,	354	10.13	19.25	9.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.69	Per ct. 4.00	Per ct. 2.42	Per ct. 9.00	\$2.40	Hominy, oil meal, bran and rye middlings.	Hominy feed, linseed oil meal, wheat bran, rye, middlings and Kaffir corn.	9257
3.52	2.00	2.99	9.00	2.20	Cracked corn, chicken wheat, Kaffir corn, barley and oats.	Cracked corn, Kaffir corn, oats, rye, barley, flaxseed, chicken wheat and small amount of weed seeds.	9258
3.26	3.00	2.91	5.00	2.30	Corn, wheat, Kaffir corn, millet and pigeon grass.	Corn, wheat, Kaffir corn, millet, flaxseed and large amount of small whole weed seeds.	9244
3.65	2.50	3.20	5.00	2.00	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, buckwheat and barley.	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, huckwheat, barley and small amount of weed seeds.	9327
3.13	2.50	3.02	5.00	2.15	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, buckwheat and barley.	As certified,	9245
3.24	2.50	3.03	5.00	2.10	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, buckwheat, barley and marble grit.	Corn, wheat, Kaffir corn, milo maize, oats linseed oil cake, sunflower seed, buckwheat, barley and marble grit.	9953
3.22	2.50	3.19	5.00	2.00	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, buckwheat and barley.	Corn, wheat, Kaffir corn, linseed oil cake, sunflower seed, buckwheat, barley and trace of weed seeds.	9406
3.31	.....	3.11	.....	2.06		As certified,	8907
2.76	3.00	2.57	4.00	2.10	Cracked corn, wheat, oats, barley, buckwheat, sunflower seed, grain screenings, Kaffir corn, charcoal and 5 per cent. grit.		
3.62	3.00	4.10	3.00	2.10	Corn meal, gluten, middlings, bran, oil meal and hen-e-ta.	As certified,	8908
3.46	2.4	4.92	10-14	1.90	Corn and oats chops, wheat bran, wheat middlings, gluten feed, No. 1 and No. 2 hen-e-ta.	Corn and oats chop, wheat bran, wheat middlings, gluten feed, hen-e-ta bone grit and linseed meal.	9001
3.24	2.50	3.42	5.60	2.00	Corn, wheat, barley, Kaffir corn, sunflower seed and buckwheat.	Corn, oats, wheat, barley, sunflower seed, Kaffir corn, buckwheat and small amount of weed seeds.	9560
3.88	3-4	4.78	4-6	2.35	Old process oil meal, gluten, wheat middlings, hen-e-ta wheat bran and corn meal.	As certified,	9333
2.90	2-5	2.44	4-6	2.10	Cracked corn, wheat, buckwheat, oats and grit.	Cracked corn, oats, wheat, buckwheat, grit and trace of weed seeds.	9334
3.56	2-5	3.23	4-6	2.30	Cracked corn, sunflower seed, peas and wheat.	Cracked corn, oats, wheat, peas, sunflower seed and small amount of weed seeds.	9335
5.75	4.00	7.20	10.00	2.10	Bran, oatchop, corn chop, oil meal, alfalfa and beef scrap.	As certified,	9254

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9250	Eclipse Chick Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,	350	Per et. 12.37	Per et. 10.38	Per et. 8.00
9249	Eclipse Poultry Food, T. M. Biddle, Altoona, Pa.	Altoona, T. M. Biddle,	349	11.10	10.63	8.00
9852	Cornell Brand Pigeon Feed No. 3 Without Wheat or Cracked Corn, Blamberg Brothers, Inc., Baltimore, Md.	New Oxford, John H. Duttera, Jr.	952	11.14	18.00	14.50
9333	Blended Hen Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	483	11.93	11.63	8.00-10.50
9629	Blended Hen Food, Blauk & Gottshall, Sunbury, Pa.	Lewistown, H. C. Jackson Supply Co.	729	12.12	11.13	8-10.5
		Average, .....	.....	12.02	11.38	.....
9628	Chick Food, Blank & Gottshall, Sunbury, Pa.	Lewistown, H. C. Jackson Supply Co.	728	10.70	11.81	10.50-11.50
9381	Chick Food Invigorator, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	481	11.20	11.25	10.50-11.50
9384	Developing Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	484	11.35	10.69	10.50-11.60
9382	Hen-O-La Chick Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	482	7.62	8.19	7-8
9385	Hen-O-La Mash Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	485	7.56	12.44	12-13
9630	Mash Food, Blank & Gottshall, Sunbury, Pa.	Lewistown, H. C. Jackson Supply Co.	730	8.23	16.13	15-16
9386	Pigeon Food, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	486	10.78	12.44	10.00-12.75

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt	Certified Composition.	Identified by Microscopical Examination.	Chemist's number
Pound.	Guaranteed.	Pound.	Guaranteed.				
Per ct. 4.68	Per ct. 2.00	Per ct. 1.75	Per ct. 5.00	\$2 10	Cracked corn, cracked wheat, Kaffir corn and millet seed.	As certified,	9250
3.00	2.00	2.21	5.00	2.10	Wheat, cracked corn, Kaffir corn, buckwheat, peas, oats, barley, sunflower seed, grit and shell.	As certified,	9249
3.38	2.50	5.01	3.00	2.85	Kaffir corn, buckwheat, hemp seed, millet seed, vetch, Canada peas, hulled oats and rice.	Kaffir corn, milo maize, buckwheat, hemp seed, millet seed, vetch, Canada peas, hulled oats and rice.	9852
3.25	2.25-3.00	3.53	2.50-3.50	2 00	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, hen-e-ta hone and charcoal.	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, flaxseed and a small amount of weed seeds.	9383
3.19	2.25-3.00	3.23	3-3.75	2 10	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, hen-e-ta hone and charcoal.	Cracked corn, Kaffir corn, wheat, buckwheat, barley, sunflower seed, hen-e-ta hone grit, flaxseed and a small amount of weed seeds.	9629
3.22	.....	3.38	.....	2 05			
3.30	2.25-3.25	1.93	2.50-3.50	2 25	Cracked corn, cracked wheat, millet, hen-e-ta grit, cracked Kaffir corn, milo maize, cut oats and charcoal.	As certified,	9628
3.10	2.25-3.25	2.21	2.50-3.50	2 10	Cracked corn, cracked wheat, millet, hen-e-ta grit, cracked peas, Kaffir corn, milo maize and cut oats.	As certified,	9381
3.41	2.50-3.50	2.20	1.50-2.50	2 10	Wheat, cracked corn, Kaffir corn, millet, and hulled oats.	Cracked corn, Kaffir corn, hulled oats, wheat, millet, flaxseed and a small amount of weed seeds.	9384
2.33	2-3	1.61	2-3	2 00	Cracked corn, cracked wheat, hulled oats, Kaffir corn, millet seed and hen-e-ta bone.	Cracked corn, Kaffir corn, hulled oats, cracked wheat, millet seed and an excessive amount of hen-e-ta bone grit.	9385
3.30	2-3	4.31	3-4	2 00	Corn chop, gluten, wheat middlings, wheat bran, oil meal, and hen-e-ta hone.	Corn chop, gluten feed, wheat middlings, wheat bran, linseed oil meal, buckwheat and hen-e-ta bone grit.	9385
4.05	3-4	5.64	4-5	2 25	Corn meal, middlings, bran, gluten meal, pea meal, alfalfa meal, fish scrap, meat and hen-e-ta.	Corn meal, gluten meal, pea meal, alfalfa meal, wheat middlings, wheat bran, buckwheat, fish scrap, meat scrap, and hen-e-ta bone grit.	9630
4.28	3.00-4.25	3.29	3.50-5.25	2 15	Cracked corn, wheat, buckwheat, Kaffir corn, peas, hemp and millet.	Cracked corn, Kaffir corn, millet, wheat, buckwheat, peas, hemp seed, and small amount of weed seeds.	9386

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9212	Blatchford's Fill The Basket Egg Mash, The Blatchford Calf Meal Factory, Waukegan, Ill.	Kittanning, J. A. Gault Co.	312	Per ct. 8.53	Per ct. 20.25	Per ct. 19.00
9929	Blatchford's Fill The Basket Egg Mash, The Blatchford Calf Meal Factory, Waukegan, Ill.	Coatesville, Brothers. Handiwork	1029	8.72	20.81	19.00
9161	Blatchford's Fill the Basket Egg Mash, Blatchford's Calf Meal Factory, Waukegan, Ill.	Greensburg, McFarland Supply Co.	261	9.63	21.25	19.00
9020	Blatchford's Fill the Basket Egg Mash, Blatchford's Calf Meal Factory, Waukegan, Ill.	Warren, Frank Trusler,	1020	9.39	19.44	19.00
Average,				9.06	20.44	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.54	Per ct. 4.00	Per ct. 10.15	Per ct. 10.00	\$2 50	Blatchford's calf meal, (bean, cocoanut, cottonseed, flaxseed, locust bean, linseed oil and pea meal, foenugreek, wheat flour, dried milk, cocoa shell and salt), also alfalfa, barley, bone, corn and oat meals, wheat bran, wheat middlings, beef scraps, fish, capsicum and limestone grit.	Bean, cocoanut, cottonseed, flaxseed, locust bean, linseed oil and pea meals, foenugreek, wheat flour, dried milk, cocoa shells, salt, alfalfa, bone meal, corn meal, oat meal, wheat bran, wheat middlings, beef scrap, fish scrap, capsicum, limestone grit and small amount of rice hulls.	9212
4.36	4.00	9.62	10.00	2 50	Blatchford's calf meal (locust bean meal, unpressed flaxseed, wheat flour, barley meal, ground beans and peas, old process oil meal, cocoa shell meal, cocoanut meal, recleaned cottonseed meal, foenugreek, dried milk, anise and salt), also alfalfa, barley, bone, corn and oat meals, wheat bran, wheat middlings, beef scraps, fish, capsicum and powdered limestone.	As certified,	9929
4.85	4.00	8.25	10.00	2 50	Blatchford's calf meal (bean, cocoanut, cottonseed, flaxseed, locust bean, linseed oil and pea meals, foenugreek, wheat flour, dried milk, cocoa shells and salt, also alfalfa, barley, bone, corn and oat meals, wheat bran, wheat middlings, beef scraps, fish, capsicum, and limestone grit.	As certified,	9161
4.43	4.00	10.19	10.00	2 50	Blatchford's calf meal (bean, cocoanut, cottonseed, flaxseed, locust bean, linseed oil and pea meals, foenugreek, wheat flour, dried milk, cocoa shells and salt, also alfalfa, barley, bone, corn and oat meals, wheat bran, wheat middlings, beef scraps, fish, capsicum, and limestone grit.	As certified,	9920
4.55	9.55			2 50			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9213	Milk Mash—Blatchford's Milk Substitute for Poultry, The Blatchford Calf Meal Factory, Waukegan, Ill.	Kittanning, J. A. Gault & Co.	313	Per et. 10.16	Per et. 20.00	Per et. 20.00
9610	Poultry Food, Geo. C. & F. A. Brooks, Wellsboro, Pa.	Wellsboro, Geo. C. & F. A. Brooks.	710	12.41	11.56	11.00
9139	Bufceco Poultry, Mash, Buffalo Cereal Co., Buffalo, N. Y.	Philipsburg, J. O. Reed,	239	9.45	17.13	15-17
9141	Troquois Scratching Grains, Buffalo Cereal Co., Buffalo, N. Y.	Philipsburg, J. O. Reed,	241	12.52	10.19	.....
9302	Daisy Chick Feed—With Grit, W. J. Byrnes & Co., Chicago, Ill.	Pittsburgh, The I. W. Scott Co.	402	10.96	11.63	10.00
9305	Royal Poultry Feed—No Grit, Byrnes & Co., Chicago, Ill.	Pittsburgh, The I. W. Scott Co.	405	11.42	11.69	10.00
9306	Royal Poultry Feed—With Grit, W. J. Byrnes & Co., Chicago, Ill.	Pittsburgh, The I. W. Scott Co.	406	10.82	11.00	10.00
8714	No. 2 Bako Scratching Grains, The Cauton Feed & Milling Co., Canton, Ohio.	Washington, R. C. Garber.	814	11.67	11.31	10.00
10161	High Grade Mash Food, F. P. Cassel & Son, Lansdale, Pa.	Laudsale, F. P. Cassel & Son.	1261	9.26	20.25	18-20
10162	High Grade Pigeon Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1262	11.16	12.06	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Round.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Guaranteed.	Found.	Guaranteed.	Found.				
Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	\$2.50	Blatchford's calf meal, (bean, cocoanut, cottonseed, flaxseed, locust bean, linseed oil and pea meals, foenugreek, wheat flour, dried milk, cocoa shells and salt), also alfalfa, barley, bone, corn and oat meals, wheat bran, wheat middlings, beef scraps, fish, capsicum, and limestone grit.	Cottonseed, flaxseed, cocoanut, bean, locust bean, linseed oil and pea meals, foenugreek, wheat flour, dried milk, cocoa shells, salt, alfalfa, barley, bone, corn, rye and oat meals, wheat bran, wheat middlings, beef scraps, fish scrap, capsicum and limestone grit.	9213
4.52	4.00	4.09	7.50					
3.20	3.00	3.05	3.00	34.00	Wheat, cracked corn, buckwheat, Kaffir corn, oats, barley and oyster shells.	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, oyster shells and small amount of weed seeds.	9610	
6.07	4.5	5.63	5.00	2.00	Corn, hominy feed, wheat bran, wheat middlings, gluten feed and rolled oats.	As certified,	9139	
3.29	.....	2.78	.....	2.00	.....	Corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seed and trace of whole weed seeds.	9141
3.15	3.00	3.08	5.00	41.60	Cracked corn, wheat, Kaffir corn, oats, millet and grit not over 6 per cent.	As certified,	9302	
2.97	3.00	2.61	5.00	37.00	Wheat, barley, Kaffir corn, oats, cracked corn, buckwheat and sunflower seed.	As certified,	9305	
2.93	3.00	2.80	5.00	36.00	Wheat, barley, Kaffir corn, oats, cracked corn, buckwheat, sunflower seed, and not over 3 per cent. grit, 3 per cent. shell.	As certified,	9306	
3.60	3.00	2.99	8.00	2.25	Recleaned wheat screenings, barley, oats and cracked corn.	Cracked corn, oats, barley, buckwheat, flaxseed, sunflower seed and wheat screenings with a large amount of whole weed seeds.	9714	
5.30	4.6	9.56	9-12	2.05	Meat meal, oat chop, corn meal, alfalfa meal, wheat bran, wheat middlings, linseed meal, gluten meal, cottonseed meal, charcoal and a small percentage of sulphur, ginger, salt, gentian and sulphate iron as a health conditioner.	As certified,	10161	
3.80	.....	3.01	.....	2.30	Hulled oats, peas, millet, buckwheat, hemp seed, flaxseed, Kaffir corn, rape seed and canary seed and wheat.	Cracked corn, hulled oats, peas, millet, wheat, buckwheat, hemp seed, flaxseed, barley, Kaffir corn, rape seed, canary seed and small amount of weed seeds.	10162

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10163	High Grade Scratch Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	1263	Per ct. 11.18	Per ct. 11.69	Per ct. 11-12
9300	Chamberlain's Perfect Chick Feed, F. B. Chamberlain, Kirkwood, Mo.	Pittsburgh, The I. W. Scott Co.	400	10.02	11.00	9.00
9277	Chick Food, City Flouring Mills, Inc., Muncy, Pa.	Muncy, City Flouring Mills.	377	12.37	9.75	8-10
9278	Hen Food, City Flouring Mills, Inc., Muncy, Pa.	Muncy, City Flouring Mills.	378	13.16	10.00	.....
9019	E. D. Clark's Superior Hen Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark,	119	10.67	9.88	8.00
10188	Enterprise Mash Feed, J. Watson Craft, Ambler, Pa.	Ambler, J. Watson Craft,	1288	9.69	21.31	18.50
9788	Dayton's Ideal Scratch Grains—No Grit, Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	883	11.54	11.38	8-12
9260	Dayton's Ideal Scratch Grains—No Grit, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King.	360	13.50	10.69	8-12
9789	Dayton's Laying Mash, Dayton Milling Co., Towanda, Pa.	Average, .....	.....	12.52	11.04	.....
9262	Dayton's Laying Mash, Dayton Milling Co., Towanda, Pa.	Towanda, Dayton Milling Co.	889	8.92	15.33	12-15
		Williamsport, Gohl & King.	362	8.47	15.56	12-15
		Average, .....	.....	8.69	15.47	.....
9261	Dayton's Prize Baby Chick Food—No Grit, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King.	361	12.60	11.56	9-13
9564	Golden Hen Feed, The John DeWine Co., Yellow Springs, Ohio.	New Kensington, J. A. Hawk.	664	10.70	10.13	11.38
9229	Crescent Chick Feed—No Grit, The Albert Dickinson Co., Chicago, Ill.	Harrisburg, Paxton Flour & Feed Co.	329	11.34	10.25	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2.25	Hulled oats, millet, barley, corn, buckwheat, Kaffir corn, wheat sunflower and boue.	As certified,	10163
3.33	3-4	3.69	2-5				
2.98	2.50	3.13	6.00	46.00	Wheat, Kaffir corn, grit, grain screenings, meat and bone, charcoal and miscellaneous seeds.	Wheat, Kaffir corn, grit, millet, meat and bone meal, charcoal, and grain screenings with a large amount of whole weed seeds.	9300
3.15	3-7	1.53	22.73	40.00	Cracked corn, cracked Kaffir corn, cracked wheat, millet seed, and fine oyster shells.	Cracked corn, cracked Kaffir corn, cracked wheat, millet seed, oyster shells, hen-e-ta bone grit and a small amount of weed seeds.	9277
4.03	.....	2.49	.....	35.00	Wheat, cracked corn, buckwheat and Kaffir corn.	Cracked corn, oats, wheat, buckwheat and Kaffir corn.	9278
2.64	2.00	2.87	15.00	1.90	Cracked corn, buckwheat, Kaffir corn, wheat, oats, sunflower seed, grit, and oyster shells.	As certified,	9019
6.20	4.00	4.20	10.50	2.25	Ground wheat bran, wheat middlings, corn, oats, alfalfa, meat, boue, beet pulp, linseed, cottonseed meal and salt.	As certified,	10188
3.42	3-6	3.01	3-6	39.00	.....	Cracked corn, Kaffir corn, oats, wheat, buckwheat, sunflower seed and small amount of weed seeds.	9788
3.32	3-6	3.36	3-6	1.90	.....	Corn, oats, barley, Kaffir corn, wheat, buckwheat and sunflower seed.	9260
3.37	.....	3.18	.....	38.50	.....	As certified,	9789
4.01	3-5	8.70	6-9	39.00	Gluten, middlings, corn meal, bran, ground oats, oil meal, alfalfa and hen-e-ta bone grits.	.....
4.39	3-5	6.82	6-9	2.25	Gluten, middlings, corn meal, bran, ground oats, oil meal, alfalfa and hen-e-ta bone grits.	Corn meal, ground oats, gluten feed, wheat bran, wheat middlings, rye bran, linseed oil meal, alfalfa meal, and hen-e-ta bone grit.	9262
4.20	.....	7.76	.....	42.00	.....	.....
3.56	4-6	2.05	4-6	2.25	.....	Corn, oats, barley, wheat, Kaffir corn and millet.	9261
3.38	3.37	2.85	3.08	2.05	Cracked corn, Kaffir corn, wheat, rye, barley, buckwheat and sunflower seed.	Cracked corn, Kaffir corn, milo maize, oats, rye, barley wheat, buckwheat, flaxseed, sunflower seed, marble grit and a small amount of weed seeds.	9564
3.40	2.50	2.06	5.00	2.25	Corn, millet, Kaffir corn, hulled oats and wheat.	Corn, millet, Kaffir corn, hulled oats, wheat and trace of weed seeds.	9229

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9226	Globe Scratch Feed—No Grit, The Albert Dickinson Co., Chicago, Ill.	Harrisburg, Paxton Flour & Feed Co.	326	Per ct. 11.65	Per ct. 11.56	Per ct. 10.00
9314	Globe Scratch Feed—No Grit, The Albert Dickinson Co., Chicago, Ill.	Rochester, Rochester Seed & Supply Co.	414	11.37	12.13	10.00
9910	Globe Scratch Feed—No Grit, The Albert Dickinson Co., Chicago, Ill.	Kane, J. A. Stoll & Co.	1010	12.25	11.56	10.00
9288	Globe Scratch—With Grit, The Albert Dickinson Co., Chicago, Ill.	Average, .....	.....	11.75	11.75	.....
		Pittsburgh, Wm. N. Gordon & Co. ~	388	10.60	10.69	10.00
9341	White Cross Chick Feed, The Albert Dickinson Co., Chicago, Ill.	Blairsville, Geo. J. New,	441	12.86	10.50	10.00
9228	White Cross Chick Feed—With Grit, The Albert Dickinson Co., Chicago, Ill.	Harrisburg, Paxton Flour & Feed Co.	338	9.77	9.38	10.00
9340	White Cross Scratch Feed—No Grit, The Albert Dickinson Co., Chicago, Ill.	Blairsville, Geo. J. New,	440	12.76	11.56	10.00
9287	White Cross Scratch Feed With Grit, The Albert Dickinson Co., Chicago, Ill.	Pittsburgh, Wm. N. Gordon & Co.	387	11.16	10.44	10.00
9227	White Cross Scratch Feed—With Grit, The Albert Dickinson Co., Chicago, Ill.	Harrisburg, Paxton Flour & Feed Co.	327	10.92	10.44	10.00
		Average, .....	.....	11.04	10.44	.....
10071	D. O. D. Scratch Feed, Diehl, Omwake & Diehl, Chambersburg, Pa.	Chambersburg, Diehl, Omwake & Diehl.	1171	11.41	11.19	11.00
9468	Poultry Mash, Geo. E. Dull, Easton, Pa.	Easton, Geo. E. Dull,	568	9.92	12.75	6.10
9414	Dyer's Dry Mash, F. H. Dyer, Lock Haven, Pa.	Lock Haven, F. H. Dyer.	514	8.77	25.00	19.38
9412	Dyer's Hen Feed, F. H. Dyer, Lock Haven, Pa.	Lock Haven, F. H. Dyer.	514	8.77	25.00	19.38
9304	Eaton's Climax Grain Mixture, R. D. Eaton Grain & Feed Co., Norwich, N. Y.	Pittsburgh, The I. W. Scott Co.	404	11.63	13.63	11.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.				
Per ct. 3.29	Per ct. 2.50	Per ct. 3.05	Per ct. 5.00	\$2 10	Corn, wheat, rye, barley, oats, Kaffir corn, buckwheat, sunflower and linseed oil cake.	9220
3.04	2.50	3.03	5.00	1 90	Corn, wheat, rye, barley, oats, Kaffir corn, buckwheat, sunflower and linseed oil cake.	9314
3.05	2.50	3.03	5.00	2 20	Corn, wheat, rye, barley, oats, Kaffir corn, buckwheat, sunflower and linseed oil cake.	9910
3.13	.....	3.03	.....	2 07	As certified,	9283
2.69	2.50	2.86	5.00	1 90	Corn, wheat, rye, barley, oats, Kaffir corn, buckwheat, sunflower, oil cake and grit.	9311
3.39	2.50	2.01	5.00	2 25	Corn, wheat, Kaffir corn and millet.	9228
3.50	2.50	2.40	5.00	2 15	Corn, wheat, Kaffir corn, millet and grit.	9340
2.96	2.50	2.74	5.00	2 00	Corn, wheat, rye, barley, oats, Kaffir corn and sunflower.	9287
3.19	2.50	2.98	6.00	1 80	Corn, wheat, rye, barley, oats, Kaffir corn, buckwheat seed, sunflower and grit.	9227
3.24	2.50	3.03	5.00	2 00	Corn, wheat, barley, rye, oats, Kaffir corn, sunflower and grit.	10071
3.22	.....	3.00	.....	1 90	Wheat, cracked corn, oats, Kaffir corn, buckwheat, barley, sunflower seed, charcoal and rye.	9468
2.95	3.00	3.21	4.00	39 00	Wheat, cracked corn, oats, Kaffir corn, huckwheat, barley, sunflower seed, charcoal, rye and small amount of weed seeds.	9414
4.82	2.60	6.69	7.00	1 75	Bran middlings and corn meal.	As certified,
6.69	5.00	6.47	7.68	2 25	Corn, bran, oil meal, beef scraps and bone meal.	9412
3.39	3.80	3.11	3.36	2 00	Cracked corn, wheat, sunflower seed, charcoal and Kaffir corn.	As certified,
2.99	2.50	2.48	3.00	41 00	Cracked yellow corn, high grade wheat, white Kaffir corn, whole barley and rye, yellow milo maize, red Kaffir corn, cracked peas, buckwheat and sunflower seed.	9304

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9232	Eaton's Climax Grain Mixture, R. D. Eaton Grain & Feed Feed Co., Norwich, N. Y.	Harrisburg, Walter S. Schell.	332	Per ct. 12.36	Per ct. 12.94	Per ct. 11.00
		Average,		11.99	13.29	.....
9233	Eaton's Little Chick Food, R. D. Eaton Grain & Feed Co., Norwich, N. Y.	Harrisburg, Walter S. Schell.	333	12.33	12.19	11.00
9303	Eaton's Little Chick Food, R. D. Eaton Grain & Feed Co., Norwich, N. Y.	Pittsburgh, The I. W. Scott Co.	403	11.57	12.19	11.00
		Average,		11.95	12.19	.....
9464	Mixed Grain, The Easton Flour & Feed Co., Easton, Pa.	Easton, The Easton Flour & Feed Co.	564	11.34	10.00	13.31
9465	Poultry Mash, The Easton Flour & Feed Co., Easton, Pa.	Easton, The Easton Flour & Feed Co.	565	9.54	14.94	9.00
9055	Excelsior Pigeon Feed, Jonas F. Eby & Son, Lancaster, Pa.	Reading, Aug. C. Wertz & Bro.	155	11.63	12.75	3-9
9238	Laymor Hen Feed—No Grit and Shell, Jonas F. Eby & Son, Lancaster, Pa.	Hummelstown, Joseph Purkholder.	338	12.43	10.81	9.00
9057	Laymor Hen Feed—5 per cent. Grit and Shell, Jonas F. Eby & Son, Lancaster, Pa.	Reading, Aug. C. Wertz & Bro.	157	10.73	10.00	9.00
9056	Superior Chick Feed, Jonas F. Eby & Son, Lancaster, Pa.	Reading, Aug. C. Wertz & Bro.	156	10.57	11.81	9.00
9187	Cackle Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Bradford, Smith Brothers.	287	10.88	10.81	9.50

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.26	Per ct. 2.50	Per ct. 2.51	Per ct. 3.00	\$2.25	Cracked yellow corn, high grade wheat, white Kaffir corn, whole barley and rye, yellow milo maize, red Kaffir corn, cracked peas, buckwheat and sunflower seed.	Cracked yellow corn, Kaffir corn, milo maize, barley, rye, cracked peas, buckwheat, wheat, sunflower seed and small amount of weed seeds.	9232
3.13	.....	2.49	.....	43.00			
3.41	2.50	1.48	3.00	2.75	Pinhead oat meal, fine cracked yellow corn, cracked milling wheat, fine cracked white corn, fine cracked Kaffir corn, fine cracked peas, fine cracked milo maize and imported millet.	As certified,	9233
3.60	2.50	1.71	3.00	47.00	Pinhead oat meal, fine cracked yellow corn, cracked milling wheat, fine cracked white corn, fine cracked Kaffir corn, fine cracked peas, fine cracked milo maize and imported millet.	As certified,	9303
3.51	.....	1.59	.....	51.00			
3.19	4.96	3.53	7.77	1.90	.....	Cracked corn, oats, wheat, buckwheat and sunflower seed.	9464
4.50	2.83	8.92	8-10	1.90	Bran, corn chop, middlings, alfalfa, Schumacher stock feed, and a small portion of oil meal.	Corn chop, wheat bran, wheat flour middlings, alfalfa meal, linseed oil meal, cottonseed meal, barley, oat middlings, oat shorts, oat hulls and salt.	9465
2.84	2-6	2.48	4-5	2.05	Cracked corn, buckwheat, wheat, Kaffir corn, barley, flaxseed, millet, peas and hulled oats.	As certified,	9055
3.06	3.00	2.88	3.00	2.25	Cracked corn, buckwheat, grain screenings, Kaffir corn, barley, sunflower seed, wheat and charcoal.	Cracked corn, Kaffir corn, barley, wheat, buckwheat, sunflower seed, charcoal, grain screenings and a small amount of weed seeds.	9238
3.16	3.00	2.56	3.00	1.80	Cracked corn, buckwheat, sunflower seed, Kaffir corn, grain screenings and barley.	Cracked corn, Kaffir corn, barley, wheat, buckwheat, rye, sunflower seed, grain screenings and charcoal.	9057
5.32	3.00	3.09	3.00	1.95	Cracked corn, cracked wheat, wheat screenings, hulled oats, flaxseed, Kaffir corn, millet, cooked and baked wheat feed and rice.	Cracked corn, hulled oats, cracked wheat, flaxseed, Kaffir corn, millet, cooked wheat, rice, wheat screenings and a small amount of weed seeds.	9056
3.41	2.50	2.91	5.00	1.85	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, and not over 4 per cent. grit, 4 per cent. shell and 1 per cent. charcoal.	As certified,	9187

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9309	Red Comb Coarse Chick—With Grit, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	409	Per ct. 11.37	Per ct. 10.69	Per ct. 10.00
9308	Red Comb Poultry Feed—With Grit, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	408	11.48	11.06	10.00
9312	Red Comb Fine Chick—With Grit, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	412	10.73	10.88	10.00
9311	Red Comb Meat Mash—With Shell and Charcoal, Edwards & Loomis Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	411	10.10	16.25	15.00
9474	Red Comb Meat Mash—With Shell and Charcoal, Edwards & Loomis Co., Chicago, Ill.	East Mauch Chunk, Stemler Brothers.	574	9.83	15.63	15.00
9503	Red Comb Meat Mash—With Shell and Charcoal, Edwards & Loomis Co., Chicago, Ill.	Ridgway, Smith Brothers Co.	603	9.88	16.00	15.00
		Average, .....	.....	9.93	15.96	.....
9518	Red Comb Poultry Feed—With Charcoal, Edwards & Loomis Co., Chicago, Ill.	DuBois, Tilmin, Kelly & Co.	618	12.44	11.94	10.00
8952	Chick Feed 5% Grit and Shell, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	52	10.84	10.50	9.00
8949	Poultry Mash, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	49	9.97	21.25	10-12
9853	Scratch Feed—No Grit or Shell, John W. Eshelman, Lancaster, Pa.	New Oxford, John H. Duttera, Jr.	953	11.85	10.69	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2 15	Wheat, cracked corn, Kaffir corn, millet seed, hulled oats and not over 6 per cent. grit and 1 per cent. charcoal.	As certified,	9309
2.79	2.50	2.28	5.00	2 00	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat and not over 2 per cent. grit, 3 per cent. shell and 1 per cent. charcoal.	As certified,	9308
3.20	2.50	3.04	5.00	2 22	Cracked wheat, cracked corn, cracked Kaffir corn, millet seed, steel cut oats and not over 6 per cent. grit and 1 per cent. charcoal.	Cracked corn, cracked Kaffir corn, steel cut oats, wheat, millet seed, charcoal, grit and a small amount of weed seeds.	9312
4.06	4.00	7.53	8.00	2 25	Corn meal, oat meal, oil meal, beef scraps, wheat bran, wheat middlings, alfalfa meal and not over 5 per cent. shell and 1 per cent. charcoal.	Corn meal, oat meal, linseed oil meal, beef scraps, wheat bran, wheat middlings, alfalfa meal, buckwheat, millet, charcoal and oyster shells.	9311
4.08	4.00	6.84	8.00	2 15	Corn meal, oat meal, oil meal, beef scraps, wheat bran, wheat middlings, alfalfa meal and not over 5 per cent. shell and 1 per cent. charcoal.	As certified,	9474
4.33	4.00	8.11	6.00	2 50	Corn meal, oat meal, oil meal, beef scraps, wheat bran, wheat middlings, alfalfa meal and not over 5 per cent. shell and 1 per cent. charcoal.	As certified,	9503
4.16	.....	7.49	.....	2 30	Wheat, cracked corn, Kaffir corn, oats, barley, sunflower seed, buckwheat and not over 1 per cent. charcoal.	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed, charcoal and small amount of weed seeds.	9518
3.39	2.50	3.02	5.00	2 00	Cracked wheat, cracked corn, wheat screenings, hulled oats, flaxseed, Kaffir corn, millet, cooked and baked wheat feed and rice.	Cracked corn, Kaffir corn, hulled oats, barley, cracked wheat, flaxseed, millet seed, cooked wheat, rice, wheat screenings and a small amount of weed seeds.	8952
6.33	3-5	5.41	6-8	36 00	Ginton feed, cotton-seed meal, oil cake meal, alfalfa meal, wheat bran, wheat middlings, corn bran, corn chops, oats chop and beef scraps.	As certified,	8949
2.80	3.00	2.55	3.00	2 25	Cracked corn, buckwheat, Kaffir corn, received grain screenings from wheat, sunflower seed, barley, wheat, rye and charcoal.	Cracked corn, oats, buckwheat, Kaffir corn, charcoal, sunflower seed, grain screenings from wheat, barley, and rye with trace of weed seeds.	9853

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9365	Seratch Feed—No Grit or Shell, John W. Eshelman, Lancaster, Pa.	Selinsgrove, Selinsgrove Supply House.	465	Per et. 12.65	Per et. 10.69	Per et. 10.00
9366	Pullet Chick Feed—No Grit or Shell, John W. Eshelman, Lancaster, Pa.	Average, Selinsgrove, Selinsgrove Supply House.	466	12.25	10.69	..... 9.00
8947	Seratch Feed 5% Grit and Shell, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	47	12.36	9.94	9.00
9220	Peerless Chick Feed, Elk View Poultry Supply House, Harrisburg, Pa.	Harrisburg, Elk View Poultry Supply House.	320	12.50	10.81	10.00
9241	Peerless Egg Producer, Elk View Poultry Supply House, Harrisburg, Pa.	Highspire, Ira Buser,....	341	12.65	12.69	10.00
9221	Peerless Egg Producer, Elk View Poultry Supply House, Harrisburg, Pa.	Harrisburg, Elk View Poultry Supply House.	321	12.15	12.00	10.00
9508	No. 2 Mixed Chicken Feed, Empire Mills, Olean, N. Y.	Average, St. Marys, Hall, Kaul & Hyde Co.	608	12.40	12.35	..... 10.50-11.50
9372	Felt's Poultry Mash, Emporium Milling Co., Emporium, Pa.	Emporium, Emporium Milling Co.	672	7.67	12.00	13.00
9092	Homer Pigeon Feed, I. S. Fry, Reading, Pa.	Reading, I. S. Fry,.....	192	10.89	16.56	12-14
9090	Mash Feed, I. S. Fry, Reading, Pa.	Reading, I. S. Fry,.....	190	10.36	19.06	16-18
9089	Mixed Hen Food, I. S. Fry, Reading, Pa.	Reading, I. S. Fry,.....	189	12.25	11.38	9-11
9091	Pigeon Feed, I. S. Fry, Reading, Pa.	Reading, I. S. Fry,.....	191	11.65	12.31	10-12

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Round.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Per cent.	Guaranteed.	Per cent.	Guaranteed.				
2.89	Per cent.	3.00	Per cent.	3.03	\$2.00	Cracked corn, buckwheat, Kaffir corn, re-cleaned grain screenings from wheat, sunflower seed, barley, wheat, rye and charcoal.	Cracked corn, Kaffir corn, buckwheat, millet, sunflower seed, barley, wheat, rye, charcoal, grain screenings from wheat and small amount of weed seeds.	9365
2.85	.....	2.79	.....	.....	2.13	Cracked corn, cracked wheat, wheat screenings, hulled oats, flaxseed, Kaffir corn, millet, cooked and baked wheat feed and rice.	Cracked corn, hulled oats, flaxseed, cracked wheat, Kaffir corn, millet, cooked wheat, rice, wheat screenings and small amount of weed seeds.	9386
3.22	3.00	2.22	3.00	3.00	2.00	Cracked corn, cracked wheat, wheat screenings, hulled oats, flaxseed, Kaffir corn, millet, cooked and baked wheat feed and rice.	As certified,	8947
3.09	3.00	2.84	3.00	3.00	36.00	Cracked corn, buckwheat, re-cleaned grain screenings from wheat, Kaffir corn, barley, sunflower seed, wheat, charcoal and rye.	Corn, Kaffir corn, wheat, millet, flaxseed and a large amount of small whole weed seeds.	9220
3.11	2.50	2.45	5.00	5.00	2.40	Corn, Kaffir corn, wheat, millet and pigeon grass.	Corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed linseed oil cake, flaxseed and a small amount of weed seeds.	9241
3.38	2.50	2.58	5.00	5.00	2.15	Corn, wheat, oats, Kaffir corn, sunflower seed and linseed oil cake.	As certified,	9221
3.24	2.50	2.88	5.00	5.00	2.20	Corn, wheat, oats, Kaffir corn, sunflower seed, linseed oil cake, buckwheat and barley.	Cracked corn, Kaffir corn, barley, wheat, buckwheat, rye, flaxseed and a large amount of weed seeds.	9508
3.31	.....	2.73	.....	.....	2.18	Wheat, Kaffir corn, cracked corn, buckwheat and barley.	As certified,	9572
2.99	2.50-3.50	3.30	4.00	4.00	2.00	Corn meal, diamond gluten, wheat middlings, wheat bran, oil meal, hen-e-ta, (silica, phosphorus, lime and soda).	As certified,	9092
2.98	3.00	3.46	4.00	4.00	2.00	Peas, Kaffir corn, buckwheat, wheat, millet, vetch, and hemp seed.	As certified,	9090
4.94	3-5	5.15	4-6	4-6	2.60	Crushed oats, granulated corn, gluten feed, wheat middlings, bran, beef scraps, granulated bone, flaxseed meal, foenugreek, charcoal and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9089
5.89	5-6	5.39	6-7	6-7	2.25	Cracked corn, buckwheat, wheat, oats, Kaffir corn, oyster shell and sunflower seed.	As certified,	9091
3.88	2.50-3.50	3.56	4-5	4-5	2.00	Cracked corn, buckwheat, wheat, oats, Kaffir corn, oyster shell and sunflower seed.	As certified,	9091
4.32	2-4	3.62	4-6	4-6	2.20	Cracked corn, wheat, buckwheat, Kaffir corn, hemp seed and peas.	As certified,	9091

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9622	Hen Food, Gamble, Gheen & Co., Bellefonte, Pa.	Bellefonte, Gamble, Gheen & Co.	722	Per ct. 12.29	Per ct. 10.50	Per ct.
10021 ^P	Standard A. Brand Poultry Feed—No Grit, O. Gandy & Co., South Whitley, Ind.	Oil City, New Model Milling Co.	1121	11.35	10.75	13.20
9422	Baby Chick Feed, Good's City Mills, Williamsport, Pa.	Loek H a v e n, M. L. Claster.	522	12.35	12.19	8-10
9230	Prize Poultry Food, Good's City Mills, Williamsport, Pa.	Millersburg, F. S. Coulter,	330	12.87	10.25	8-10
9811	Gold Medal Hen Food, Haney-Frazier Milling Co., South Danville, Pa.	Wilkes-Barre, John Albrandt.	911	10.64	10.50	8.00-10.50
9376	Chick Food, Francis Heck, Shamokin, Pa.	Shamokin, Francis Heck,	476	12.82	9.44	8.00-10.50
9375	Poultry Mash, Francis Heck, Shamokin, Pa.	Shamokin, Francis Heck,	475	9.96	15.38	.....
9553	Hen-O-La Dry Mash, Hen-E-Ta Bone Co., Blairsville, Pa.	Wilkinsburg, Johnson & Smith.	653	7.34	12.81	12-13
9730	Hen-O-La Dry Mash, Hen-E-Ta Bone Co., Blairsville, Pa.	Butler, H. J. Klinger & Co.	830	8.35	12.44	12.00
9343	Hen-O-La Dry Mash, Hen-E-Ta Bone Co., Blairsville, Pa.	Blairsville, Geo. J. New,	443	8.26	12.44	12-13
		Average, .....	.....	7.96	12.56	.....
9234	Hen Feed, Hoffer & Garman, Harrisburg, Pa.	Harrisburg, Hoffer & Garman.	334	12.52	10.38	9.00
9332	Hornby's Scratching Grains—No Grit, J. H. Hornby & Son, New Brighton, Pa.	New Brighton, J. H. Hornby & Son.	432	12.40	12.38	10.00
8924	Hull's Scratch Feed—No Grit or Shell, Geo. Hull & Sons, Hanover, Pa.	Hanover, Geo. Hull & Sons.	24	12.65	11.19	9.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crnde Fat.		Crnde Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.67	Per ct.	Per ct. 2.84	Per ct.	\$2 00	Pure grain mixture.	Cracked corn, Kaffir corn, oats, barley, wheat and sunflower seed.	9622
3.36	3.30	2.38	12.80	1 40	Wheat, corn, Kaffir corn, sunflower seed, barley, millet and buckwheat.	As certified,	10021
4.52	3-5	2.92	3-5	2 25	Cracked corn, cracked wheat, cracked Kaffir corn and millet.	Cracked corn, cracked Kaffir corn, oats, rye, cracked wheat, millet, flaxseed and a large amount of weed seeds.	9422
3.76	3-5	3.11	3-5	2 25	Cracked corn, wheat, Kaffir corn, huckwheat, barley, oats, sunflower seed, no grit.	As certified,	9230
2.72	2.25-3.00	2.92	8-10.5	2 30	Corn, wheat, Kaffir corn, buckwheat, screenings, sunflower seed, barley, oats, and hen-e-ta bone grit.	Corn, oats, wheat, barley, Kaffir corn, sunflower seed, Hen-e-ta bone grit, and screenings with a small amount of weed seeds.	9811
2.37	2-3	2.34	2-3	1.85	Cracked wheat, cracked corn, cracked Kaffir corn, millet, fine charcoal and fine oyster shell.	As certified,	9376
3.99	.....	7.65	.....	2 00	Wheat bran, corn chop, oats chop, glisten, wheat middlings, beef seraps, alfalfa meal, fennel, foengreek, gentian root, licorice root and charcoal.	Wheat bran, corn chop, oats chop, glisten feed, wheat middlings, beef seraps, alfalfa meal, fennel, foengreek, gentian root, licorice root and charcoal.	9375
3.54	2-3	5.84	3-4	2.75	Corn meal, glisten, middlings, bran, oil meal and hen-e-ta (sodium, lime, phosphorus and silica).	As certified,	9553
3.44	2.00	5.10	4.00	2 30	Corn meal, corn gluten feed, wheat middlings, wheat bran, old process linseed oil meal, and hen-e-ta (composed of phosphorus, silica, lime, and soda).	As certified,	9730
3.12	2-3	5.06	3-4	2 25	Corn meal, glisten, middlings, bran, oil meal and hen-e-ta.	As certified,	9343
3.37	.....	5.33	.....	2 43			
3.13	3.00	2.72	2.75	36 00	Cracked corn, whole wheat, buckwheat, oats, Kaffir corn, sunflower and wheat screenings.	Cracked corn, Kaffir corn, oats, whole wheat, buckwheat, sunflower seed, wheat screenings and small amount of weed seeds.	9234
2.78	2.50	3.32	5.00	1 80	Corn, wheat, rye, barley, oats, Kaffir corn and sunflower.	Corn, Kaffir corn, oats, barley, rye, wheat, buckwheat and sunflower seed.	9332
2.81	3.00	2.45	3.00	2 00	Cracked corn, huckwheat, grain screenings, Kaffir corn, barley, sunflower seed, wheat and charcoal.	Cracked corn, Kaffir corn, barley, wheat, buckwheat, sunflower seed, charcoal, grain screenings and small amount of weed seeds.	8924

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9105	Chicken Feed, Johnstown Milling & Provision Co., Johnstown, Pa.	Johnstown, Johnstown Milling & Provision Co.	205	Per ct. 9.99	Per ct. 10.44	Per ct. 8.00
10038	Chicken Mash, Kerr Hill Mill Co., Ltd., Titusville, Pa.	Titusville, Herr Hill Mill Co., Ltd.	1138	9.15	20.75	18.00
9364	Poultry Food, Kift Milling Co., Sunbury, Pa.	Sunbury, Kift Milling Co.,	464	12.52	10.63	10.00
9442	Ideal Chick Feed, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, A. T. Stover Estate.	542	12.58	10.38	10.00
9565	Equality Scratch Food, The Lake Shore Elevator Co., Cleveland, Ohio.	New Kensington, J. A. Hawk.	665	12.17	10.63	10.50
10019	La-Egg Scratch Feed—No Grit, The Lake Shore Elevator Co., Cleveland, Ohio.	Oil City, New Model Milling Co.	1119	11.69	10.44	11.00
9009	Langdon's Poultry Mash, H. H. Langdon, Altoona, Pa.	Altoona, H. H. Langdon,	109	9.62	16.88	17-19
9605	Larro-Mash, The Larrowe Milling Co., Detroit, Mich.	Wellshoro, Equity Co-Operative Exchange.	705	9.87	26.69	25.00
8965	Blue Ribbon Poultry Feed, Levan & Sons, Columbia, Pa.	Lancaster, Levan & Sons,	65	10.83	11.31	6-8
8967	L. & S. Poultry Mash, Levan & Sons, Columbia, Pa.	Lancaster, Levan & Sons,	67	7.85	17.19	14-15
9626	Chick-A-Dee, Lewistown Ice & Storage Co., Lewistown, Pa.	Lewistown, Lewistown Ice & Storage Co.	726	11.80	13.19	.....
9627	Pure Grain Poultry Feed, Lewistown Ice & Storage Co., Lewistown, Pa.	Lewistown, Lewistown Ice & Storage Co.	727	11.29	10.81	.....
9455	Chick Feed, C. C. Lynn & Co., South Bethlehem, Pa.	South Bethlehem, C. C. Lynn & Co.	555	11.16	11.38	.....
9458	Pigeon Feed, C. C. Lynn & Co., South Bethlehem, Pa.	South Bethlehem, C. C. Lynn & Co.	558	12.05	14.81	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per cent.	Per cent.	Per cent.	Per cent.	15.00	\$1.80	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, grit and oyster shell.	9105
2.97	2.00	3.09	15.00			Cracked corn, Kaffir corn, oats, rye, barley, wheat, buckwheat, sunflower seed, flaxseed grit and oyster shell.	
5.00	5.00	9.55	10.00	2.10	Wheat bran, corn meal, wheat middlings, ground oats, oil meal, beef scraps, gluten, alfalfa and charcoal.	As certified,	10038
3.51	3.00	2.60	5.00	2.00	Sunflower seed, Kaffir corn, wheat, oats, cracked corn and buckwheat.	As certified,	9364
2.65	3.50	2.46	2.50	2.40	Wheat, Kaffir corn, millet, cracked corn, bulled oats and charcoal.	As certified,	9442
2.38	3.40	2.24	2.85	2.05	Cracked corn, wheat, Kaffir corn, barley, buckwheat and sunflower seed.	Cracked corn, Kaffir corn, milo maize, oats, barley, wheat, buckwheat, sunflower seed and small amount of weed seeds.	9565
3.45	4.50	3.65	4.00	2.10	Corn, wheat, barley, buckwheat, Kaffir corn, and sunflower.	Corn, Kaffir corn, milo maize, barley, wheat, buckwheat and sunflower seed.	10019
5.33	5-6	7.17	7-8	2.00	Wheat bran, red dog flour, corn meal, alfalfa meal, oil meal, beef scraps, and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9009
3.10	3.00	8.26	10.00	2.50	Granulated dried beet pulp, granulated blood, granulated bone, oats, middlings, standard wheat middlings, buckwheat feed, linseed oil meal, standard wheat bran, corn gluten feed and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9605
3.29	2-3	3.72	5-6	1.95	Buckwheat, Kaffir corn, barley, sunflower seed, oats, cracked corn, 5 per cent. grit and shell.	Buckwheat, Kaffir corn, barley, sunflower seed, oats, cracked corn, grit, shell and trace of weed seeds.	8965
4.89	3-4	8.26	7-8	1.90	Corn meal, oat meal, wheat bran, wheat middlings, alfalfa meal, linseed meal, O. P., beef scrap, 5 per cent. ground shell.	As certified,	8967
3.72	.....	3.28	.....	2.20	.....	Cracked corn, oats, wheat, flaxseed, small amount of broken stems, large amount of weed seeds and worms and insects.	9626
3.28	.....	3.34	.....	2.40	.....	Cracked corn, Kaffir corn, oats, wheat, buckwheat, sunflower seed and small amount of weed seeds.	9627
4.48	.....	1.81	.....	2.25	A pure grain mixture.	Cracked corn, cracked oats, cracked wheat and millet.	9455
3.72	.....	4.33	.....	2.40	A pure grain mixture.	Wheat, buckwheat, Kaffir corn, millet, hemp seed, Canada peas and trace of weed seeds.	9458

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9454	Supreme Scratch, C. C. Lynn & Co., South Bethlehem, Pa.	South Bethlehem, C. C. Lynn & Co.	554	Per ct. 12.90	Per ct. 10.06	Per ct.
9243	Martin's Chickie Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co.,...	343	11.13	11.56	12.00
9242	Martin's Poultry Mash, Martin & Co., Altoona, Pa.	Altoona, Martin & Co.,...	342	9.45	23.88	25.00
9656	Best Mixed Grains for Chickens, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	756	12.34	10.94	8-9
9807	Best Mixed Grains for Chickens, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	907	11.36	11.81	8-9
9658	Best Poultry Mash, C. P. Matthews & Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	758	9.95	19.56	17-20
9806	Best Poultry Mash, C. P. Matthews & Sons, Inc., Scranton, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	906	9.91	19.38	17-20
9809	Chicken Feed, C. P. Matthews & Sons, Inc., Wilkes-Barre, Pa.	Average,		9.93	19.47	.....
9657	Premium Pure Mixed Grains for Poultry, C. P. Matthews and Sons, Inc., Scranton, Pa.	Scranton, C. P. Matthews & Sons, Inc.	757	12.40	11.19	.....
9808	Pure Mixed Grain for Faney Poultry, C. P. Matthews & Sons, Inc., Wilkes-Barre, Pa.	Wilkes-Barre, C. P. Matthews & Sons, Inc.	908	11.16	11.88	.....
9292	Baby Chick Feed, R. S. McCague, Pittsburgh, Pa.	Pittsburg, R. S. McCague,	392	11.78	9.25	9.25
9290	Diamond Serateh Grains—No Grit, R. S. McCague, Pittsburgh, Pa.	Pittsburg, R. S. McCague,	390	11.55	11.63	10.50
9291	Diamond Scratch Grains—Grit, R. S. McCague, Pittsburgh, Pa.	Pittsburg, R. S. McCague,	391	10.43	10.00	10.00
10181	Mash Feed, James E. McCaughey, Edge Hill, Pa.	Edge Hill, Jaunes E. McCaughey.	1281	10.17	19.75	10-12

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2.10	A pure grain mixture.	Corn, Kaffir corn, oats, wheat, buckwheat and sunflower seed.	9454
3.15	.....	2.31	.....			
3.36	2.90	3.78	3.69	2.40	Cracked corn, wheat, buckwheat, Kaffir corn, sunflower seed, oats, barley and Canadian peas.	Cracked corn, wheat, buckwheat, Kaffir corn, sunflower seed, oats, barley, Canadian peas and trace of corn cockle.	9243
5.06	5.00	5.38	7.00	2.50	Wheat bran, wheat middlings, corn chop, gluten feed, ground oats, meat meal and oil meal.	As certified,	9242
3.89	2-3	3.34	4-5	1.95	Kaffir corn, buckwheat grains, clipped oats, wheat, cracked corn, field peas, sunflower seeds and grit.	Cracked corn, Kaffir corn, clipped oats, wheat, buckwheat, sunflower seed and grit.	9656
3.79	2-3	3.42	4-5	40.00	Kaffir corn, buckwheat grains, clipped oats, wheat, cracked corn, field peas, sunflower seeds and grit.	Cracked corn, Kaffir corn, clipped oats, wheat, buckwheat, field peas, sunflower seed and trace of corn cockle.	9807
5.16	3-4	12.05	10-12	1.90	Gluten, wheat middlings, bran, corn meal, oil meal and alfalfa.	As certified,	9658
5.35	3-4	11.24	10-12	38.00	Gluten, wheat middlings, bran, corn meal, oil meal and alfalfa.	As certified,	9806
5.26	.....	11.69	.....	38.00			
3.34	2-3	3.19	3-4	39.00	Kaffir corn, peas, sunflower seed, oats wheat screenings, wheat, corn, buckwheat, oyster shells and grit.	As certified,	9809
3.28	.....	3.47	.....	2.20	.....	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, peas and sunflower seed.	9657
3.17	.....	3.34	.....	44.00	.....	Cracked corn, Kaffir corn, milo maize, oats, wheat, buckwheat, peas and sunflower seed.	9808
2.81	3.25	1.63	4.00	34.00	Corn, wheat, barley, buckwheat, grit, wheat screenings and Kaffir corn.	Corn, Kaffir corn, barley, wheat, buckwheat, wheat screenings and a small amount of weed seeds.	9292
3.66	3.50	2.88	4.00	33.00	.....	Corn, Kaffir corn, oats, barley, wheat, buckwheat, flaxseed, sunflower seed and a small amount of weed seeds.	9290
3.19	3.00	2.69	3.50	4.00	Corn, wheat, barley, buckwheat, grit, sunflower seed, Kaffir corn and wheat screenings.	Corn, wheat, buckwheat, barley, grit, sunflower seed, Kaffir corn, wheat screenings and trace of weed seeds.	9291
5.51	2-4	6.55	15.00	2.00	Bran, corn meal, gluten, ground oats, middlings, beef scraps, cake meal and salt.	As certified,	10181

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
10182	Scratch Grains, James E. McCaughey, Edge Hill, Pa.	Edge Hill, James E. McCaughey.	1282	Per cent. 12.83	Per cent. 10.75	Per cent. 8.00
9336	Chicken Mash, W. W. McCullough, West Bridgewater, Pa.	West Bridgewater, W. W. McCullough.	436	8.85	19.79	10-12
9283	Miami Poultry Feed—Scratch Size, The Miami Milling Co., Xenia, Ohio.	Pittsburg, Thomas C. Jenkins.	393	10.66	11.00	11.50
9231	Choice Hen Food, Millersburg Milling Co., Millersburg, Pa.	Millersburg, Millersburg Milling Co.	331	12.14	10.25	10.63
9652	Mixed Chicken Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	752	12.47	10.38	8-12
9700	Mixed Chicken Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	800	12.30	9.69	8-12
		Average, .....	.....	12.38	10.04	.....
9651	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	751	15.56	11.56	.....
9699	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	799	13.05	10.88	.....
9443	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Allentown, A. T. Stover Estate.	543	13.53	11.94	.....
		Average, .....	.....	14.04	11.46	.....
9653	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	753	10.86	14.25	15-17
9696	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	796	10.45	14.44	15-17
9441	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Allentown, A. T. Stover Estate.	541	9.73	15.44	15-17
		Average, .....	.....	10.34	14.71	.....

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2.15	Corn, oats, harley, buckwheat, charcoal, sunflower seed, Kaffir corn and wheat.	As certified,	10182
3.79	2.00	3.36	10.00				
6.39	2.4	8.31	10-12	2.00	Bran, white middlings, corn meal, beef meal, gluten, alfalfa meal, oil meal, charcoal and Schumacher Stock Feed.	Wheat bran, wheat flour middlings, corn meal, beef meal, alfalfa meal, linseed oil meal, gluten feed, charcoal, cottonseed meal, barley, oat middlings, oat hulls and salt.	9336
4.03	4.00	3.72	6.50	36.00	Corn, wheat, Kaffir corn, buckwheat, sunflower and peas.	Corn, oats, barley, Kaffir corn, sunflower seed, flaxseed and a very large amount of weed seeds.	9293
3.82	3.87	3.25	4.75	1.80	.....	Cracked corn, Kaffir corn, oats, wheat, buckwheat, sunflower seed, peas and trace of corn cockle.	9231
3.89	2-3	2.67	4-5	2.00	Kaffir corn, huckwheat, wheat, cracked corn, grit, peas, sunflower seeds and barley.	As certified,	9652
2.49	2-3	2.56	4-5	1.95	Kaffir corn, huckwheat, wheat, cracked corn, grit, peas, sunflower seeds and barley.	As certified,	9700
3.19	.....	2.61	.....	1.98	.....	Cracked corn, Kaffir corn, oats, harley, wheat, huckwheat, sunflower seed, split peas and a small amount of weed seeds.	9651
3.53	.....	3.20	.....	2.15	.....	Cracked corn, Kaffir corn, oats, harley, wheat, huckwheat, sunflower seed, peas and a small amount of weed seeds.	9699
2.89	.....	3.25	.....	2.15	.....	Corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed and split peas.	9443
2.57	.....	3.19	.....	2.20	.....	As certified,	9653
3.00	.....	3.21	.....	2.17	.....	Pea meal, alfalfa meal, wheat middlings, buckwheat middlings, wheat bran, ground oats, and hominy feed.	9696
4.93	5-7	7.60	8-10	2.25	Pea meal, alfalfa meal, wheat bran, wheat middlings, ground oats, hominy feed and small amount of huckwheat hulls.	Pea meal, alfalfa meal, wheat bran, wheat middlings, ground oats, hominy feed and small amount of huckwheat hulls.	9441
5.00	5-7	7.09	8-10	2.15	Pea meal, alfalfa meal, wheat middlings, wheat bran, ground oats and hominy feed.	As certified,	
5.67	5-7	9.27	8-10	2.20	Pea meal, alfalfa meal, wheat middlings, buckwheat middlings, wheat bran, ground oats and hominy feed.		
5.20	.....	7.98	.....	2.20			

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9650	Special Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Scranton, Miner-Hillard Milling Co.	750	Per ct. 12.93	Per ct. 10.81	Per ct.
9701	Special Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	801	13.53	10.44	.....
9698	Superior Growing Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Average, .....	.....	13.23	10.63	.....
8939	Ox-O Pure Dry Mash Poultry Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Wilkes-Barre, Miner-Hillard Milling Co.	798	10.19	20.33	18-20
8939	Ox-O Pure Dry Mash Poultry Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Hanover, High Street Produce Co.	39	7.05	24.94	25.00
9866	Ox-O Pure Dry Mash Poultry Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	Gettysburg, John W. McIlhenny.	966	7.53	26.00	25.00
9849	Ox-O Pure Dry Mash Poultry Feed, The New Oxford Pure Feed Co., New Oxford, Pa.	New Oxford, The New Oxford Pure Feed Co.	949	7.81	27.81	25.00
10122	Mixed Grains, Nickel Plate Flour Mills, Erie, Pa.	Average, .....	.....	7.46	26.25	.....
10041	Mixed Grains, Oil City Milling Co., Oil City, Pa.	Erie, Nickel Plate Flour Mills.	1222	14.57	10.81	.....
9270	Fattening Feed, The Park & Pollard Co., Boston, Mass.	Oil City, Oil City Milling Co.	1141	10.76	10.63	10.00
9418	Gritless Chick Feed, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	370	11.55	10.63	10.00
9992	Gritless Chick Feed, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	518	12.27	13.88	11.00
		Paoli, Edward F. Bracken,	1092	11.21	15.06	10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per et. 2.67	Per ct.	Per et. 2.53	Per ct.	\$2.05	.....	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed and split peas.	9650
3.52	.....	3.35	.....	2.05	.....	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed, peas, and trace of weed seeds.	9701
3.10	.....	2.94	.....	2.05	Wheat bran, wheat middlings, hominy feed and beef meal.	Wheat bran, wheat middlings, hominy feed, beef meal and ground screenings.	9698
6.06	6-8	6.24	6-8	2.15	Beef, blood and bone, new process linseed meal, steel cut oats, corn meal, wheat middlings, wheat bran, gluten, brewers' grains and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	8929
6.93	6.50	7.15	6.50	40.00	Beef, blood and bone, new process linseed meal, steel cut oats, corn meal, wheat middlings, wheat bran, gluten, brewers' grains and $\frac{1}{2}$ of 1 per cent. salt.	As certified,	9866
6.55	6.50	7.65	6.50	2.00	Beef, blood and bone, new process linseed meal, steel cut oats, corn meal, wheat middlings, wheat bran, gluten, brewers' grains and $\frac{1}{2}$ of 1 per cent. salt.	Beef, blood, bone, new process linseed meal, steel cut oats, corn meal, wheat middlings, wheat bran, corn gluten feed, brewers' dried grains, malt sprouts and salt.	9849
6.05	6.50	8.10	6.50	40.00	Beef, blood, bone, new process linseed meal, steel cut oats, corn meal, wheat middlings, wheat bran, gluten, brewers' grains and $\frac{1}{2}$ of 1 per cent. salt.	Cracked corn, milo maize, Kaffir corn, wheat, buckwheat, barley, sunflower seed, wheat screenings and large amount of whole weed seeds.	10122
6.51	.....	7.63	.....	40.00	Cracked corn, wheat, barley, Kaffir corn, buckwheat, wheat screenings and sunflower seed.	Corn, Kaffir corn, oats, wheat, buckwheat, barley, sunflower seed, oyster shells, marble grit and barley.	10041
3.39	.....	3.84	.....	1.70	Cracked corn, wheat, barley, Kaffir corn, buckwheat, wheat screenings and sunflower seed.	Corn, Kaffir corn, oats, wheat, buckwheat, barley, sunflower seed, oyster shells, marble grit and small amount of weed seeds.	9270
2.85	2.00	3.58	6.00	1.95	Corn, buckwheat, wheat, sunflower, oats, Kaffir corn, oyster shells, marble grit and barley.	Cracked corn, wheat, Kaffir corn and milo maize, whole millet seed and small amount of weed seeds, shredded fish and trace of grit.	9418
2.89	3.50	4.12	8.00	2.50	Corn, wheat, barley, Kaffir corn, oats and salt.	Corn, Kaffir corn, oats, wheat, barley, buckwheat and salt.	9992
3.09	3.50	2.25	5.00	2.65	Cracked Corn, wheat, Kaffir corn, and milo. Whole: Millet seed and shredded fish.	Cracked corn, wheat, Kaffir corn and milo maize, whole millet seed and small amount of weed seeds, shredded fish and trace of grit.	9992
3.66	3.50	5.25	8.00	2.50	Ground: Corn, wheat, barley, oats, meat, bone, alfalfa, Kaffir corn, wheat bran, wheat middlings, buckwheat, beet pulp and salt.	Corn, wheat, barley, oats, meat, bone, alfalfa, Kaffir corn, wheat bran, wheat middlings, buckwheat and salt.	9992

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9269	Growing Feed, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	369	Per ct. 11.12	Per ct. 15.75	Per ct. 10.00
9272	Intermediate Chick Feed, The Park & Pollard Co., Boston, Mass.	Average, .....	.....	11.16	15.41	.....
9267	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	367	10.17	21.25	18.00
8978	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Elizabethtown, Lehman & Wolgemuth.	78	9.32	19.13	18.00
9887	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Sharon, J. M. Porter,....	987	9.77	19.69	18.00
9646	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Lewis town, Spanogle-Yeager Milling Co.	746	10.42	17.19	18.00
8919	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer,....	19	9.41	20.88	18.00
9909	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Kane, J. A. Stoll & Co.,	1009	10.59	19.06	18.00
9417	Lay or Bust Dry Mash, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	517	10.66	17.94	18.00
9439	Margaret Mahaney's Turkey Feed, The Park & Pollard Co., Boston, Mass.	Average, .....	.....	10.04	19.31	.....
		Allentown, The Geo. B. Shelly Estate.	539	9.50	14.81	10.00

FEEDING STUFFS COLLECTED IN 1914. -Continued.

Crude Fat.	Crude Fiber.			Price per ton or cwt.	Certified Composition.	Identified by Micro-scopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.89	3.50	3.70	8.00	\$2 50	Ground: Corn, wheat, barley, oats, meat, boue, alfalfa, Kaffir corn, wheat bran, wheat middlings, buckwheat, beet pulp and salt.	As certified,	9269
3.78	.....	4.47	.....	2 50			
3.34	3.50	2.76	5.00	2 50	Cracked corn, wheat, barley, oats, millet, Kaffir corn and milo.	Cracked corn, oats, barley, wheat, buckwheat, flaxseed, millet, milo maize and trace of weed seeds.	9272
3.60	3.50	6.55	12.00	2 50	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp, calcium carbonate and salt.	As certified,	9267
3.92	3.50	5.74	12.00	50 00	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp and salt.	As certified,	8978
4.55	3.50	7.59	12.00	2 75	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp and salt.	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, alfalfa, fish, meat, bone, bindweed and salt.	9887
3.24	3.50	6.57	12.00	44.00	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp and salt.	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, alfalfa, fish, meat, bone, linseed meal, small amount of bindweed and salt.	9646
4.01	3.50	6.46	12.00	2 40	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, and salt.	As certified,	8919
3.96	3.50	7.33	12.00	2.50	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, beet pulp and salt.	Ground: Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone, salt and trace of weed seeds.	9909
3.45	3.50	6.64	12.00	2 25	Wheat bran, wheat middlings, corn, wheat, oats, barley, Kaffir corn, buckwheat, alfalfa, fish, meat, bone and salt.	As certified,	9417
3.82	.....	6.69	.....	48 86			
2.57	3.50	6.93	12.00	2 50	Ground: Wheat, barley, linseed oil meal, oats, meat, bone, calcium hydroxide, calcium carbonate and salt.	As certified,	9439

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9298	Red Ribbon Chick Feed, The Park & Pollard Co., Boston, Mass.	Pittsburg, Thomas C. Jenkins.	398	Per ct. 11.01	Per ct. 10.63	Per ct. 10.00
9419	Red Rihon Chick Feed, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	519	11.81	12.44	10.00
		Average, .....	.....	11.41	11.54	.....
9297	Red Ribbon Scratch Feed, The Park & Pollard Co., Boston, Mass.	Pittsburg, Thomas C. Jenkins.	397	10.81	11.44	10.00
9268	Screened Scratch Feed, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	368	13.21	11.56	10.00
8921	Screened Scratch Feed, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer,....	21	11.15	11.00	10.00
		Average, .....	.....	12.18	11.28	.....
9012	Pioneer Scratch Feed, The Pioneer Cereal Co., Akron, Ohio.	Altoona, H. H. Langdon,	112	12.27	10.50	10.94
9710	Pioneer Scratch Feed, The Pioneer Cereal Co., Akron, Ohio.	Washington, H. G. Miller,	810	11.88	10.94	10.94
		Average, .....	.....	12.07	10.72	.....
9769	Pioneer Scratch Feed With Grit, The Pioneer Cereal Co., Akron, Ohio.	Monongahela, D. E. Gamble.	869	10.68	10.25	10.94
9399	Perry's Egg Producer, F. V. Perry, Scottdale, Pa.	Scottdale, F. V. Perry,..	499	10.60	18.25	17-19
9240	Hen Feed, Fred Pontz, Lancaster, Pa.	Hummelstown, C. Holler,	340	13.69	11.63	8.00
9850	Hen Feed, Fred Pontz, Lancaster, Pa.	New Oxford, J. R. Weaver & Bro.	950	11.02	9.88	8-10
9281	Chick Feed, Preston Brothers, Canton, Pa.	Average, .....	.....	12.35	10.76	.....
		Canton, Preston Brothers,	381	12.97	9.69	.....
9282	The Daisy Laying Mash, Preston Brothers, Canton, Pa.	Canton, Preston Brothers,	332	9.47	19.94	12-16

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopic Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$37.00	Cracked: Corn, wheat, oats, Kaffir corn, milo and millet seed.	As certified,	9298
2.53	3.50	2.19	5.00				
3.50	3.50	2.36	5.00	2.50	Cracked: Corn, wheat, oats, Kaffir corn, milo and millet seed.	Cracked: Corn, wheat, oats, Kaffir corn, milo maize, millet seed, and trace of flaxseed and buckwheat.	9419
3.02	.....	2.27	.....	43.50			
3.32	3.50	2.53	5.00	37.00	Cracked corn, wheat, barley, huckwheat, Kaffir corn, milo and sunflower seed.	As certified,	9297
3.14	3.50	2.62	5.00	2.25	Cracked corn, wheat, buckwheat, barley, oats, Kaffir corn, milo and sunflower seeds.	As certified,	9268
3.33	3.50	2.49	5.00	2.10	Cracked corn, wheat, buckwheat, barley, oats, Kaffir corn, milo and sunflower seeds.	Cracked corn, oats, barley, Kaffir corn, milo maize, wheat, buckwheat and small amount of weed seeds.	8921
3.24	.....	2.55	.....	2.18			
3.55	2.60	2.80	8.50	30.00	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat and sunflower seed.	As certified,	9012
2.96	2.60	2.54	8.50	2.10	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat and sunflower seed.	As certified,	9710
3.26	.....	2.67	.....	36.00			
2.57	2.60	2.73	8.50	2.15	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed and grit.	As certified,	9769
4.46	4-6	6.98	7-9	2.50	Corn chop, middlings, bran, alfalfa meal, beef scrap, diamond gluten, oil meal, ground oats and fish scrap.	As certified,	9399
4.22	3.00	3.05	4.00	2.25	Cracked corn, wheat, millet, oats, wheat screenings, buckwheat, Kaffir corn and sunflower seeds.	Cracked corn, oats, Kaffir corn, wheat, buckwheat, millet, sunflower seed, flaxseed, charcoal, wheat screenings and large amount of whole weed seeds.	9240
3.07	3-4	2.77	4-5	2.50	Cracked corn, wheat, millet, oats, buckwheat, re-cleaned grain screenings, sunflower seed and grit.	Cracked corn, oats, wheat, buckwheat, millet, sunflower seed, grain screenings and small amount of weed seeds.	9850
3.65	.....	2.91	.....	2.38			
2.66	.....	1.98	.....	2.25	Fine cracked corn, cracked Kaffir corn, cracked wheat, millet and steel cut oat meal.	As certified,	9281
5.88	2-4	8.64	12-15	1.90	Bran, middlings, meal, gluten, ground oats, ground alfalfa, meat scraps and old process oil meal.	Wheat bran, wheat middlings, bone meal, gluten feed, ground oats and alfalfa, meat scraps, old process linseed oil meal.	9282

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein	
					Found.	Guaranteed.
9280	Scratch Grains, Preston Brothers, Canton, Pa.	Canton, Preston Brothers,	330	Per ct. 12.91	Per ct. 10.50	Per ct 8-12
9392	Pritt's Dry Mash, J. E. Pritt, Scottdale, Pa.	Scottdale, J. E. Pritt,	492	9.95	27.81	22-26
9265	Mother's Chick Feed—With Not to exceed 1% Poultry Charcoal, The Quaker Oats Co., Chicago, Ill.	Williamsport, Gohl & King.	365	11.50	11.50	10.50
9777	Mothers Hen Feed, The Quaker Oats Co., Chicago, Ill.	Donora, S. S. Kelly,....	877	11.63	11.38	11.00
9329	Quaker Chick Feed, The Quaker Oats Co., Chicago, Ill.	Beaver Falls, Dodds & Garrett.	429	11.46	11.19	10.00
9159	Quaker Chick Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, D. F. Kilgore & Co.	259	12.38	11.38	10.00
9223	Quaker Chick Feed, The Quaker Oats Co., Chicago, Ill.	Harrisburg, I. L. Nailor,	323	12.42	11.00	10.00
9353	Quaker Chick Feed—Not Exceeding 6% Grit, 1% Poultry Charcoal, The Quaker Oats Co., Chicago, Ill.	Average, West End Punxsutawney, Lindsey Milling Co.	453	12.08 12.03	11.19 11.13	..... 11.00
9625	Quaker Poultry Mash, The Quaker Oats Co., Chicago, Ill.	Lewistown, Lewistown Ice & Storage Co.	725	9.66	18.88	17.50
9003	Quaker Poultry Mash, The Quaker Oats Co., Chicago, Ill.	Kane, Swanson Grocery Co.	1003	9.78	19.50	17.50
9239	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Average, Hummelstown, Joseph Burkholder.	339	9.72 12.81	19.19 10.44	..... 10.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1.85	Cracked corn, wheat, h u c k w h e a t, sunflower seed and oats.	As certified,	9280
3.05	3-6	3.59	3-6	2.40	Beef scraps, alfalfa meal, e a l, cottonseed meal, coru, wheat, oats, charcoal, oil meal, wheat bran and wheat middlings.	As certified,	9392
4.88	5-7	8.67	9.00	2.40	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, rolled oats and charcoal.	Cracked corn, cracked Kaffir corn, cracked wheat, rolled oats, whole millet seed, flaxseed and small amount of weed seeds and charcoal.	9285
4.05	3.00	2.30	2.50	2.75	Whole wheat, whole milo maize, oil cake, oat meal, cracked Indian corn, whole huckheat and sunflower seeds.	As certified,	9777
3.53	3.50	2.84	2.50	2.30	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, charcoal, marble grit, pigeon grass seed and oat meal.	Cracked corn, cracked Kaffir corn, cracked wheat, oat e a l, whole millet seed, flaxseed and small amount of weed seeds, charcoal and marble grit.	9329
3.39	2.50	2.74	5.00	2.50	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, charcoal, marble grit, pigeon grass seed and oat meal.	Cracked corn, cracked Kaffir corn, cracked wheat, oat meal, whole millet seed, oats and a small amount of weed seeds and charcoal.	9159
3.58	2.50	2.22	5.00	2.25	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, charcoal, pigeon grass seed and oat meal.	Cracked corn, cracked Kaffir corn, cracked wheat, oat meal, whole millet seed and small amount of weed seeds and charcoal.	9223
3.63	2.50	1.94	5.00	2.25	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, charcoal, pigeon grass seed and oat meal.	Cracked corn, cracked Kaffir corn, cracked wheat, oat meal, whole millet seed and small amount of weed seeds and charcoal.	9353
3.53	.....	2.30	.....	2.33			
3.33	2.50	2.45	5.00	2.50	Cracked Indian corn, whole millet seed, cracked Kaffir corn, cracked wheat, charcoal, marble grit, pigeon grass seed and oat meal.	Cracked corn, cracked Kaffir corn, cracked wheat, oat meal, whole millet seed and small amount of weed seeds, charcoal and marble grit.	9625
6.51	4.00	7.97	10.00	2.50	Ground grain screenings, meat scraps, oat meal, wheat bran, alfalfa meal, hominy feed and gluten feed.	As certified,	
6.87	4.00	7.69	10.00	42.00	Meat scraps, oat meal, wheat bran, alfalfa meal, hominy feed, gluten feed, oat meal mill by-product (oat middlings, oat hulls, oat shorts).	As certified,	9903
6.69	.....	7.83	.....	46.00			
3.19	2.50	2.06	5.00	2.25	Whole wheat, whole barley, whole Kaffir corn, whole buckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, barley, Kaffir corn, buckwheat, flaxseed and small amount of weed seeds.	9239

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9408	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Uniontown, M. H. Clark,	503	Per ct. 12.51	Per ct. 10.88	Per ct. 10.00
10025	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Oil City, Clyde D. Duffee,	1125	11.60	11.19	10.00
9266	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Williamsport, Gohl & King.	366	12.41	11.63	10.00
9160	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Greensburg, D. F. Kilgore & Co.	260	12.51	10.63	10.00
9352	Quaker Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	West End Punxsutawney, Lindsey Milling Co.	452	12.95	11.38	10.00
9222	Quaker Scratch Grains—With Grit, The Quaker Oats Co., Chicago, Ill.	Average, .....	.....	12.46	11.03	.....
8935	Schumacher Chick Feed, The Quaker Oats Co., Chicago, Ill.	Littlestown, D. E. Buekey & Son.	35	10.14	11.38	10.00
9155	Schumacher Poultry Mash, The Quaker Oats Co., Chicago, Ill.	Greensburg, D. F. Kilgore & Co.	255	9.65	20.25	17.50
8931	Schumacher Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Littlestown, D. E. Buekey & Son.	31	11.40	11.38	10.00
9331	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Beaver Falls, J. G. Allen.	431	12.61	11.94	11.00
9181	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Bradford, L. A. Fischer & Co.	281	11.51	10.94	11.00
9294	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Pittsburg, Thomas C. Jenkins.	394	10.90	10.38	11.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.41	Per ct. 2.50	Per ct. 2.63	Per ct. 5.00	\$2 00	Whole wheat, whole barley, whole Kaffir corn, whole buckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, Kaffir corn, buckwheat, barley and trace of weed seeds.	9408
3.27	2.50	3.69	5.00	2 00	Whole wheat, whole barley, whole Kaffir corn, whole huckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, Kaffir corn, buckwheat, barley, oats and small amount of weed seeds.	10025
3.58	2.50	2.65	5.00	1 90	Whole wheat, whole barley, whole Kaffir corn, whole huckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, Kaffir corn, huckwheat, barley, oats and small amount of weed seeds.	9266
3.25	2.50	2.52	5.00	2 00	Whole wheat, whole barley, whole Kaffir corn, whole buckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, Kaffir corn, buckwheat, barley, oats and small amount of weed seeds.	9160
3.20	2.50	2.11	5.00	2 00	Whole wheat, whole barley, whole Kaffir corn, whole buckwheat, cracked Indian corn and sunflower seed.	Cracked: Indian corn and sunflower seed. Whole: Wheat, Kaffir corn, buckwheat, barley, flaxseed and small amount of weed seeds.	9352
3.32	.....	2.61	.....	2 03		As certified,	9222
3.35	2.50	2.00	5.00	2 00	Whole wheat, whole Kaffir corn, whole barley, cracked Indian corn, whole huckwheat, sunflower seed, ground oyster shell or marble grit.		
4.31	2.50	2.59	5.00	2 25	Cracked corn, whole millet seed, cracked Kaffir corn, cracked wheat, oat meal, ground charcoal and marble grit.	Cracked: Corn, Kaffir corn, wheat. Whole: Millet seed, and small amount of weed seeds, flaxseed, oat meal, ground charcoal and marble grit.	8935
7.03	4.00	6.94	10.00	2 50	Grain screenings, meat scraps, oat meal, wheat bran, alfalfa meal, hominy feed and gluten feed.	Grain screenings, meat scraps, hone, oat meal, wheat bran, alfalfa meal, hominy feed and gluten feed.	9155
3.86	2.50	2.88	5.00	2.00	Whole wheat, whole barley, cracked Indian corn, whole Kaffir corn, whole buckwheat, whole sunflower seed and poultry charcoal.	As certified,	8931
3.31	3.00	2.01	4.00	2 25	Wheat, corn, millet, Kaffir or milo maize, and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat screenings and large amount of weed seeds.	9331
3.54	3.00	2.35	4.00	2 50	Wheat, corn, Kaffir or milo maize, millet and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat, flaxseed, wheat screenings and a large amount of weed seeds.	9181
2.91	3.00	2.58	4.00	42 00	Wheat, corn, Kaffir or milo maize, millet and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat, flaxseed, wheat screenings and a small amount of weed seeds.	9294

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
9355	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Punxsutawney, Lauderbach-Barber Co.	455	Per ct. 12.80	Per ct. 11.69	Per ct. 11.00
9402	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Uniontown, The Uniontown Grocery Co.	502	12.71	11.50	11.00
9224	Purina Chick Feed, Ralston Purina Co., St. Louis, Mo.	Harrisburg, Wittenman-Schwarz Co.	324	12.50	11.50	11.00
		Average, .....	.....	12.17	11.33	.....
9169	Purina Chicken Chowder Feed With Charcoal, Ralston Purina Co., St. Louis, Mo.	Irwin, T. F. Wilson,	269	8.74	20.75	17.00
9219	Purina Chicken Chowder Feed With Charcoal, Ralston Purina Co., St. Louis, Mo.	Kittanning, Wm. Gates Estate.	319	9.12	20.44	17.00
9776	Purina Chicken Chowder Feed With Charcoal, Ralston Purina Co., St. Louis, Mo.	Donora, S. S. Kelly,	876	9.58	19.56	17.00
9356	Purina Chicken Chowder Feed With Charcoal, Ralston Purina Co., St. Louis, Mo.	Punxsutawney, Lauderbach-Barber Co.	456	9.71	20.00	17.00
9246	Purina Chicken Chowder Feed With Charcoal, Ralston Purina Co., St. Louis, Mo.	Altoona, Lippincott & Co.	346	8.38	20.50	17.00
		Average, .....	.....	9.10	20.25	.....
9296	Purina Pigeon Feed, Ralston Purina Co., St. Louis, Mo.	Pittsburgh, Thomas C. Jenkins.	396	11.40	14.13	11.00
8917	Purina Pigeon Feed, Ralston Purina Co., St. Louis, Mo.	York, Strayer Brothers & Co.	17	11.96	13.13	11.00
		Average, .....	.....	11.68	13.63	.....
9330	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Beaver Falls, J. G. Allen,	430	12.27	11.44	11.00
9180	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Bradford, L. A. Fischer, & Co.	280	12.20	12.19	11.00
9295	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Pittsburgh, Thomas C. Jenkins.	395	11.80	12.50	11.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopic Examination.	Chemist's number.
Found.	Guaranteed.	Found.				
Per ct. 3.28	Per ct. 3.00	Per ct. 2.63	Per ct. 4.00	\$44.00	Wheat, corn, Kaffir or milo maize, millet and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat, trace of flaxseed, wheat screenings and a small amount of weed seeds. 9355
2.83	3.00	2.24	4.00	43.00	Wheat, corn, Kaffir or milo maize, millet and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat, wheat screenings and a large amount of weed seeds. 9402
3.02	3.00	2.25	4.00	2.15	Wheat, corn, Kaffir or milo maize, millet and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, millet, wheat, wheat screenings and a large amount of weed seeds. 9224
3.15	2.34 .....	.....	.....	44.50	Wheat middlings, wheat bran, alfalfa meal, linseed meal, granulated meat and salt and corn meal.	As certified, 9169
5.86	3.00	7.97	9.00	2.30	Wheat middlings, wheat bran, alfalfa meal, linseed meal, granulated meat and salt and corn meal.	As certified, 9219
5.15	3.00	7.43	9.00	2.20	Wheat middlings, wheat bran, alfalfa meal, linseed meal, granulated meat and salt and corn meal.	As certified, 9776
4.83	3.00	7.80	9.00	3.00	Wheat middlings, wheat bran, corn meal, alfalfa meal, linseed meal, granulated meat and salt.	As certified, 9356
5.08	3.00	7.97	9.00	44.00	Wheat middlings, wheat bran, corn meal, alfalfa meal, linseed meal and granulated meat.	As certified, 9246
5.09	3.00	8.23	9.00	2.15	Wheat middlings, wheat bran, corn meal, alfalfa meal, linseed meal and granulated meat.	Corn, Kaffir corn, milo maize, millet, wheat, peas, flaxseed, wheat screenings and a large amount of weed seeds. 9296
5.20	7.88 .....	.....	.....	2.36	Wheat, corn, millet, re-cleaned wheat screenings, peas, Kaffir or milo maize.	Corn, Kaffir corn, milo maize, wheat, millet, peas, wheat, screenings and a large amount of weed seeds. 8917
3.10	3.00	3.02	4.00	45.00	Wheat, corn, millet, re-cleaned wheat screenings, peas, Kaffir or milo maize.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, wheat screenings and a large amount of weed seeds. 9180
2.96	3.00	2.73	4.00	2.50	Wheat, corn, millet, re-cleaned wheat screenings, peas, Kaffir or milo maize.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, wheat screenings and a large amount of weed seeds. 9295
3.03	2.87 .....	.....	.....	47.50	Wheat, corn, harley, Kaffir or milo maize, sunflower and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, wheat screenings and a large amount of weed seeds. 9330
3.16	3.00	2.58	4.00	2.10	Wheat, corn, harley, Kaffir or milo maize, sunflower and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flaxseed, wheat screenings and a large amount of weed seeds.
3.64	3.00	2.80	4.00	2.10	Wheat, corn, harley, Kaffir or milo maize, sunflower and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, wheat screenings and a large amount of weed seeds.
3.38	3.00	2.56	4.00	39.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re-cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flaxseed, wheat screenings and a large amount of weed seeds.

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9354	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Punxsutawney, Landerbach-Barber Co.	454	Per ct. 12.30	Per ct. 11.63	Per ct. 11.00
9248	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Altoona, Lippincott & Co.,	348	11.12	12.25	11.00
8918	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	York, Strayer Brothers Co.	18	11.44	11.81	11.00
9403	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Uniontown, The Uniontown Grocery Co.	503	12.46	12.63	11.00
9407	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Uniontown, Westmoreland Grocery Co.	507	11.93	11.00	11.00
9255	Purina Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Harrisburg, Wittenmann-Schwarz Co.	325	11.42	12.00	11.00
9247	Winner Scratch Feed, Ralston Purina Co., St. Louis, Mo.	Average, Altoona, Lippincott & Co.,	..... 347	11.88 11.50	11.94 12.06	..... 10.00
9815	Luzerne Capitol Poultry Mash, Robbins Milling Co., Wilkes-Barre, Pa.	Wilkes-Barre, Robbins Milling Co.	915	9.45	18.19	17-19
9371	Golden Egg Hen Food, Shamokin Milling Co., Shamokin, Pa.	Shamokin, Shamokin Milling Co.	471	11.86	11.31	.....
9367	Golden Egg Mash, Shamokin Milling Co., Shamokin, Pa.	Shamokin, Shamokin Milling Co.	467	10.01	17.56	.....
9235	Fine Chick, J. H. Sheesley, Harrisburg, Pa.	Harrisburg, J. H. Sheesley,	335	11.95	10.44	.....
9236	Scratch Feed, J. H. Sheesley, Harrisburg, Pa.	Harrisburg, J. H. Sheesley,	336	12.72	10.63	.....
9185	Egg Mash, Smith Brothers, Bradford, Pa.	Bradford, Smith Brothers,	285	9.85	16.56	15.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Found.	Fat. Guaranteed.	Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Micro- scopical Examination.	Chemist's number.
		Found.	Guaranteed.				
Per ct. 3.11	Per ct. 3.00	Per ct. 2.35	Per ct. 4.00	\$40.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, barley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9354
3.82	3.00	2.59	4.00	2.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, barley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9248
3.22	3.00	2.41	4.00	44.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, barley, wheat, sunflower seed, wheat screenings, oats and a small amount of weed seeds.	8918
3.44	3.00	2.95	4.00	40.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9403
3.39	3.00	2.67	4.00	2.20	Wheat, corn, barley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9407
3.44	3.00	2.78	4.00	2.00	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9225
3.40	.....	2.63	.....	41.22			
3.45	3.00	3.04	6.00	1.95	Wheat, corn, harley, Kaffir or milo maize, sunflower and re- cleaned wheat screenings.	Corn, Kaffir corn, milo maize, harley, wheat, sunflower seed, flax- seed, wheat screenings and a large amount of weed seeds.	9247
5.24	4.5	9.39	7-9	2.26	Bran, middlings, corn meal, beef scraps, alfalfa meal, blood meal, beef meal, oil meal and hominy feed.	As certified,	9815
3.86	.....	4.37	.....	2.00	Composed of pure grains only.		
4.75	.....	6.25	.....	2.25	Corn meal, middlings, gluten, bran, alfalfa and beef scraps.	As certified,	9367
2.97	.....	2.14	.....	2.25	Cracked wheat, cracked barley, cracked corn and oats.	As certified,	9235
3.08	.....	2.60	.....	2.00	Wheat, cracked corn, oats, sunflower seed, Kaffir corn, millet, charcoal, harley, huckwheat and hemp.	As certified,	9236
4.40	4.00	5.77	12.00	2.25	Corn meal, flour mid- dlings, alfalfa meal, meat scraps, oil meal, gluten feed, Hen-e-ta and char- coal.	As certified,	9185

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9237	Clover Leaf Poultry Feed, J. W. Snyder, Harrisburg, Pa.	Hummelstown, Joseph Burkholder.	337	Per ct. 12.45	Per ct. 11.81	Per ct. 9.50
9642	Hen-O-La Dry Mash, Spanogle-Yeager Milling Co., Lewistown, Pa.	Lewistown, Spanogle-Yeager Milling Co.	742	17.33	12.19	10.00
9271	Spratt's Chicgrain, Spratt Patent Ltd., Newark, N. J.	Williamsport, F. W. Dawson & Son.	371	10.83	14.81	14.00
9470	Spratt's Chicgrain, Spratt Patent Ltd., Newark, N. J.	Easton, Geo. E. Dull,	570	10.72	14.50	14.00
9448	Hen-O-La Serateh Food, Edwin F. Stover, Blooming Glen, Pa.	Average, ....	.....	10.77	14.66	.....
		Allentown, John E. Schuon,	548	12.91	10.25	10.00
9076	Antwerp Pigeon Feed, Strunk & Moyer, Reading, Pa.	Reading, Strunk & Moyer,	176	12.64	18.88	14.81
9075	Dandy Scratch Feed, Strunk & Moyer, Reading, Pa.	Reading, Strunk & Moyer,	175	12.38	12.31	11.81
9074	Knoxall Dry Mash, Strunk & Moyer, Reading, Pa.	Reading, Strunk & Moyer,	174	8.32	18.25	19.69
9119	Dry Mash, Swope Brothers, Johnstown, Pa.	Johnstown, Swope Brothers.	219	10.18	17.44	20.00
9118	Excelsior Chicken Feed, Swope Brothers, Johnstown, Pa.	Johnstown, Swope Brothers.	218	11.37	9.81	8.00
10083	Tioga Growing Feed, Tioga Mill & Elevator Co., Waverly, N. Y.	Lititz, Elmer Eby,	1183	11.70	11.25	11.00
10088	Tioga Poultry Grains, Tioga Mill & Elevator Co., Waverly, N. Y.	Lititz Elmer Eby,	1188	11.79	10.81	10.70

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.82	Per ct. 2.50	Per ct. 2.65	Per ct. 5.00	\$2 25	Wheat, cracked corn, buckwheat, oats, barley, Kaffir and sunflower seed.	Cracked corn, oats barley, wheat, huck-wheat, Kaffir corn, sunflower seed and a small amount of weed seeds.	9237
2.73	2.00	3.83	4.00	36.00	Corn meal, gluten, wheat middlings, wheat bran, oil meal and Hen-e-ta, (sodium, lime, phosphorus and silica).	As certified,	9642
2.96	3.00	3.32	5.00	3 65	Whole or ground wheat flour, huck-wheat, wheat, popped corn, millet, rice canary, meat, Kaffir corn, charcoal, green peas, hone, hemp and Mexican peas.	Kaffir corn, popped corn, wheat, huck-wheat, rice, canary seed, peas, hemp seed, millet, meat, hone, and charcoal.	9271
3.15	3.00	4.02	5.00	3 25	Whole or ground wheat, millet, canary, Kaffir corn, green peas, hemp, buckwheat, popcorn, rice, meat, charcoal, hone and Mexican peas.	Kaffir corn, popped corn, oats, barley, wheat, buckwheat, millet, canary seed, rice, peas, hemp seed, meat, hone, charcoal and small amount of weed seeds.	9470
3.06	.....	3.67	.....	3 45		As certified,	9448
2.96	3.00	3.13	4.00	2 20	Cracked corn, buckwheat, wheat, Kaffir corn, barley, oats, sunflower seed and hen-e-ta grit.		
3.68	4.43	5.04	4.43	2 75	Wheat, Kaffir corn, peas, buckwheat, hemp seed, millet and vetches.	As certified,	9076
4.77	4.53	3.20	4.31	2 10	Wheat, cracked corn, Kaffir corn, buckwheat, barley, sunflower seed, meat and bone.	As certified,	9075
5.51	5.45	8.45	8.94	2 25	Wheat bran, ground oats, corn chop, wheat middlings, gluten meal, alfalfa meal, beef scraps, salt and mustard.	Wheat bran, ground oats, corn chop, wheat middlings, gluten meal, alfalfa meal, beef scraps and salt.	9074
4.05	4.50	5.73	8.00	45 00	Beef scraps, dried milk, ground oats, alfalfa meal, ground Kaffir corn, barley, wheat bran, and middlings and oil meal.	Ground corn, ground oats, ground Kaffir corn, barley, wheat bran, wheat middlings, linseed oil meal, alfalfa meal, beef and hone scrap and dried milk.	9119
3.40	2.00	2.61	8.00	35.00	Corn, Kaffir corn, buckwheat, wheat, oats, barley, sunflower seed, milo maize, grit and oyster shells.	As certified,	9118
4.05	3.00	2.52	4.00	2 25	Cracked corn, wheat, hulled oats and Kaffir corn.	As certified,	10083
3.30	2.08	3.01	4.79	2 10	Cracked corn, wheat, buckwheat, Kaffir corn, oats, barley, and sunflower seed.	Cracked corn, Kaffir corn, oats, barley, wheat, buckwheat, sunflower seed and a small amount of weed seeds.	10083

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
9210	Camp's Scratch Feed, The Toledo Grain & Milling Co., Toledo, Ohio.	Clarion, E. T. Kahle & Son.	310	Per et. 12.33	Per et. 10.88	Per c. 10.00
9374	Mash, J. R. Vought, Shamokin, Pa.	Shamokin, J. R. Vought,	474	8.58	17.38	.....
9372	Seratch Feed, J. R. Vought, Shamokin, Pa.	Shamokin, J. R. Vought,	472	12.35	10.38	.....
9373	Sterling Chick Feed, J. R. Vought, Shamokin, Pa.	Shamokin, J. R. Vought,	473	12.12	10.31	10.00
9449	Mash Feed, Robert A. Wagner, Allentown, Pa.	Allentown, Robert A. Wagner.	549	10.04	20.38	18-22
9743	Scratch Feed, Geo. Walter & Sons, Butler, Pa.	Butler, Geo. Walter & Sons.	843	12.00	11.19	.....
9469	Diamond Chick Feed, F. C. Williams, Easton, Pa.	Easton, Geo. E. Dull,....	569	11.93	10.94	10.31
9665	Seratch Grains, J. M. Wyckoff, East Stroudsburg, Pa.	East Stroudsburg, J. M. Wyckoff.	765	11.35	11.31	6-10
ANIMAL BY-PRODUCTS.						
9502	3 Medal Poultry Meat, The Berry Co., Philadelphia, Pa.	Ridgway, Smith Brothers Co.	602	6.27	37.94	50-55
10004	Premium Digester Tankage for Hogs, The Cleveland Provision Co., Cleveland, Ohio.	Cannonsburg, Wm. H. Dunlap, Jr.	1104	9.91	59.69	60.00
9927	Consolidated Beef Scraps, Consolidated Dressed Beef Co., Philadelphia, Pa.	Coatesville, Handwork Brothers.	1027	5.71	45.81	50-55
9395	Darling's 60% Digester Tankage, Darling & Co., Chicago, Ill.	Scottdale, J. E. Pritts,..	495	10.69	60.75	60.00
9397	Darling's Medium Meat Crisps, Darling & Co., Chicago, Ill.	Scottdale, J. E. Pritts,..	497	8.95	75.75	75.00
10124	Dold Quality Meat Meal, Jacob Dold Packing Co., Buffalo, N. Y.	Erie, Erie Milling & Supply Co.	1224	8.19	54.19	40-48
10123	Dold Quality Meat Scraps, Jacob Dold Packing Co., Buffalo, N. Y.	Erie, Erie Milling & Supply Co.	1223	7.50	52.38	50.00
9189	Dold Quality Meat Scraps, Jacob Dold Packing Co., Buffalo, N. Y.	Bradford, Smith Brothers,	289	9.06	52.47	50.00
		Average, .....	.....	8.28	52.43	.....
8922	Beef Scraps, The Fritz Co., Philadelphia, Pa.	York, F. Z. Stauffer,....	22	9.32	47.69	50-55
9301	Big Brand Digester Tankage, Morris & Co., Chicago, Ill.	Pittsburg, The I. W. Scott Co.	401	4.75	51.25	40.00

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$2.15	Cracked wheat, corn, Kaffir corn, whole barley, oats, buckwheat, sunflower seed.	As certified,	9210
3.28	2.50	2.90	5.00				
4.45	.....	10.67	.....	2.00	.....	Cracked corn, oats, wheat bran, wheat middlings, a lfa meal, meat and bone seraps, charcoal and salt.	9374
3.16	.....	3.85	.....	1.85	Cracked corn, wheat, oats and buckwheat.	Cracked corn, Kaffir corn, oats, wheat, buckwheat, sunflower seed, small amount of weed seeds and trace of stone.	9372
3.36	3.00	2.61	4.00	2.15	.....	Corn, oats, barley, wheat, millet, Kaffir corn and a small amount of weed seeds.	9373
5.59	4-6	7.96	12-16	2.00	Bran, corn ch op, w beat middlings, beef and bone, gluten feed, crushed oats, alfalfa and salt.	As certified,	9449
3.00	.....	3.57	.....	2.25	Pure grains,	Cracked corn, oats, barley, wheat, buckwheat, flaxseed and a large amount of weed seeds.	9743
2.79	3.64	2.83	5.06	2.40	Wheat, corn, Kaffir corn, steel cut oats, grit, charcoal and millet.	Corn, Kaffir corn, steel cut oats, barley, wheat, millet, grit, charcoal and trace of weed seeds.	9469
3.56	2-6	3.77	6-10	1.90	Cracked corn, Kaffir corn, wheat, oats, barley, sunflower seed and buckwheat.	As certified,	9665
16.25	13-15	2.47	1-3	3.50	.....	Meat and bone meal,	9502
7.30	7.60	3.92	2.50	2.75	.....	Digester tankage,	10004
15.69	12-14	1.62	2.00	3.00	.....	Beef and bone seraps,	9927
1.69	0.50	2.41	3.00	2.50	Meat products,	As certified,	9395
7.66	0.50	0.37	3.00	8.33	Sweet meat trimmings, care fully cooked, pressed and dried.	Meat meal,	9397
11.73	10.00	2.32	5.00	3.00	.....	Meat meal,	10124
9.77	8.00	1.73	5.00	3.25	Scraps of meat, cooked and dried.	Meat and bone scraps,	10123
11.52	8.00	1.49	.....	3.25	Scraps of meat, cooked and dried.	Meat and bone scraps,	9189
10.65	.....	1.61	.....	3.25			
15.49	10-12	0.58	1-2	2.75	.....	Beef and bone scraps,	8922
8.78	8.00	2.23	5.00	38.00	Meat products,	As certified,	9301

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
8920	Blue Ribbon Meat Scraps, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer,....	20	9.54	40.88	45.00
10125	Blue Ribbon Meat Scraps, The Park & Pollard Co., Boston, Mass.	Erie, Erie Milling & Supply Co.	1225	6.50	37.88	45.00
		Average, .....	.....	8.02	39.38	.....
9551	Beef Scraps, Pittsburg Provision & Packing Co., Pittsburg, Pa.	Wilkinsburg, Johnson & Smith.	651	7.68	35.44	36-38
9793	Quaker City Brand Beef Scraps, Quaker City Manufacturing Co., Philadelphia, Pa.	Meshoppen, C. B. Tyler,	893	7.52	46.50	50-55
9337	Ramsey's Beef Meal, J. D. Ramsey, Pittsburg, Pa.	West Bridgewater, W. W. McCullough.	437	5.40	31.88	30.00
9999	American Meat Scraps, The I. W. Scott Co., Pittsburg, Pa.	Canonsburg, Wm. H. Dunlap, Jr.	1099	7.61	59.69	55-60
10156	Swift's Laymore Meat Scraps, Swift & Co., Newark, N. J.	Lansdale, F. P. Cassel & Son.	1256	6.10	43.88	40-50
10160	Granulated Chick Bone, Unknown.	Lansdale, F. P. Cassel & Son.	1260	8.17	25.00	.....
10183	Ground Beef Scrap for Poultry, Unknown.	Edge Hill, James E. McCaughey.	1283	10.62	46.13	50-55
CONDIMENTAL STOCK AND POULTRY FOODS.						
8906	Henola Moult Tonic Mash, Anderson Brothers Co., York, Pa.	York, Anderson Brothers & Co.	6	8.81	15.81	12.00
9456	F. P. C. Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	South Bethlehem, C. C. Lynn & Co.	556	9.56	13.31	12-14
8970	Federal Poultry Food (A Tonic), The Federal Stock Food Co., Millinburg, Pa.	Elizabethtown, Muth Brothers.	70	9.48	7.44	6.13
8971	Federal Stock Tonic, The Federal Stock Food Co., Millinburg, Pa.	Elizabethtown, Muth Brothers.	71	15.45	8.75	8.94

FEEDING STUFFS COLLECTED IN 1914.—Continued.

Crude Fat.	Crude Fiber.	Price per ton or cwt.	Certified Composition.		Identified by Microscopical Examination.	Chemist's number.
			Found.	Guaranteed.		
Found.	Guaranteed.					
Per ct. 12.33	Per ct. 13.00	Per ct. 1.52	Per ct. 2.00	\$2.90	.....	Meat and bone scraps, 8920
15.33	13.00	2.09	2.00	3.25	.....	Meat scraps, 10125
13.83	.....	1.80	.....	3.08		
19.65	14.50-15.00	3.25	2.73-3.00	3.50	.....	Beef and bone scraps, 3551
11.66	10-12	2.18	1-2	2.80	.....	Beef and bone scraps, 9792
16.87	18.00	2.95	3.25	2.50	.....	Beef and bone scraps, 933
5.04	2-8	3.72	1-3	3.50	Manufactured from pure cracklings.	Meat and bone scraps, 3935
11.94	8.00	1.55	3.00	2.75	.....	Meat and bone scraps, 19156
0.33	.....	5.83	.....	2.75	.....	Bone meal, 10161
10.53	8-10	1.97	1-2	3.00	.....	Beef and bone scraps, 10182
4.77	3.00	4.95	3.00	2.40	Corn meal, gluten, middlings, bran, oil meal, Hen-e-ta, meat meal, bone flour, ground blood, charcoal, gentian root, foenugreek, licorice root and fennel seed.	As certified, 8944
4.10	4-5	1.84	2.54	7.00	Granular corn and oats, crackers, wheat middlings, gentiana, zinziber, creta, anisum, feri-sulphas, sodiu m chloride, sulphur, starch, meat and bone.	As certified, 445
2.75	1.93	16.27	18.52	3.50	Hydrate of lime, pulverized lime stone (for grit), anise, foenugreek, Venetian red, Cayenne pepper, copperas, sassafras bark, powdered oyster shells, buckwheat shorts, mustard cake meal and black pepper.	As certified, 8970
2.50	3.02	25.04	30.47	3.50	Charcoal, horse medley, anise seed, foenugreek, gentian, cayenne pepper, flour sulphur, epsom salts, air dried copperas mustard cake meal, sassafras bark and buckwheat shorts.	Charcoal, anise seed, foenugreek, gentian, cayenne pepper, flour sulphur, epsom salts, dried copperas, mustard oil cake meal, sassafras bark and buckwheat shorts. 8971

TABLE IV.—ANALYSES OF SAMPLES OF

Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
8937	Hex M. M. Dairy Feed, Francis Heck, Shamokin, Pa.	Shamokin, Francis Heck,	477	Per et. 10.26	Per et. 13.88	Per et. 14-15
8941	Helmer Co. Poultry Remedy, Helmer & Co., York, Pa.	Hanover, High Street Produce Co.	41	8.82	12.56	.....
9188	Pratts Baby Chick Food, Pratt Food Co., Philadelphia, Pa.	Bradford, Smith Brothers,	288	10.16	14.06	12.00
8943	The Sheaffer Horse and Cattle Remedy, Edward C. Sheaffer, York, Pa.	York, Edward C. Sheaffer,	43	7.48	18.44	.....
8942	The Sheaffer Poultry Remedy, Edward C. Sheaffer, York, Pa.	York, Edward C. Sheaffer,	42	8.09	20.75	.....

FEEDING STUFFS COLLECTED IN 1914.—Concluded.

Found.	Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
	Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.28	Per ct. 4=4.5	Per ct. 5.08	Per ct. 4=5.5	\$1 60	Corn, oats, barley, gluten, wheat middlings, wheat bran, corn bran, oil meal and little giant stock food.	Corn, oats, barley, gluten feed, wheat middlings, wheat bran, corn bran, oil meal, meat and bone meal, fenugreek, gentian root, licorice root, and charcoal.		9377
3.95	.....	7.95	.....	.....	Wheat middlings, mustard oil cake, red pepper, shredded fish, sulphur, charcoal, potassium nitrate, ferrous sulphate, grit and sand.	As certified,		8941
5.19	4.00	2.50	3.00	8 33	Hulled oats, corn meal, wheat middlings, epsom salts, bone meal, cooked wheat, pepper, gentian, millet, ginger, rape, caraway and shell meal.	As certified,		9188
3.44	.....	23.49	.....	.....	Nux vomica, elecampane, sulphate of iron, antimony, red argold, gentian root, fenugreek, ginger, flour of sulphur, salt peter, flaxseed meal, charcoal and tobacco.	As certified,		8943
5.69	.....	9.41	.....	.....	Ground gentian root, nux vomica, sulphate of iron, venetian red, nitrate of potash, bicarbonate of soda, sulphate of soda, epsom salts, flour of sulphur, red pepper, chick grit, shredded codfish, charcoal, bran and wheat middlings.	As certified,		8942



3083